HE Laundry Journa

OCTOBER 1960

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LAUNDRY

MANAGEMENT

PATTERNS FOR SUCCESS

BUYERS' GUIDE

fifteenth annual

GUIDEBOOK SSUE



A LONGER LASTING HOSE for LAUNDRY and DRYCLEANING PRESSES ...

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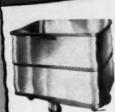
Cut costs - boost production and profit

STARCH COOKERS

All copper, double-walled permanently insulated. In 3 sizes: (15-gal.) B3-2, (25-gal.) B3-11.







BISHOP Lifetime STAINLESS STEEL TRUCK TUB

Made of stainless steel. No rust, corrosion. In 3 sizes: B2-5 (-2) 22" x 34" x 25" deep; B2-13 (-3) 26" x 36" x 25" deep



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Saves time and supplies. Galv. steel in 3 sizes: (30-gal.) B6-1. (60-gal.) B6-3.



Heads tilt over board; no reaching. B5-18X (shown): #3, #22, #52 heads,



spray iron, spray gun.

BISHOP 3-SHELF TRANSPORTER

Model 329-11

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Cut handling 14: fold up to save space. All steel. In 2 sizes: B29.50 (for 50 shirts); B29-100 (100 shirts).

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Sort at the older with Bishop® SHIRT-BIN UNITS

 Eliminate cost of separate sorting • Cut mix-ups, losses, service delays

- . Save plant space, save time . No reduction in folder's output
- For any plant ... any lot system
- 10, 15 or 20-Bin Units

ALSO AVAILABLE FOR WEARING APPAREL

BISHOP® S-E-C-T-1-0-N-A-L Sorter-Transporter

HONT OF



Start with what you need new . . . ADD bins five-at-a-time as your needs increase. These sturdy S-bin tiers stack and lock securely one on another to form expand-able sorting units - movable on wheeled bases, or set on tables.

FOR SHIRTS -

Each bin 10" wide, 15" high, 18" deep: each tier has black identification strip 129-AK1010—10-8in Unit 1829-AK1510—15-Bin Unit 1829-AK2010—20-Bin Unit

118.50

FOR WEARING APPAREL

Each bin 13" wide, 15" high, 18" deep; B29-AK1013—10-Bin Unit B29-AK1513—15-Bin Unit B29-AK2013—20-Bin Unit

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READER'S GUIDE

THE LAUNDRY JOURNAL VOL. 67, NO. 10 OCTOBER, 1960

Founded in 1893 as Starchroom Laundry Journal



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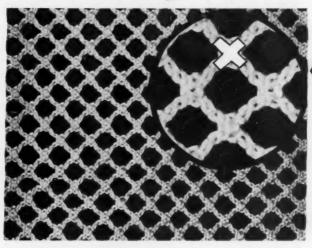
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the new, super heavyweight* nylon knitted net . . . by GIBRALTAR



- X marks the strongest point on the GRANITE NET... the spot where most nets wear out first!
- *Guaranteed 7½ pounds per dozen, 24"x36" size.

- Extremely heavy for long wear (7½ lbs. per doz., 24x36 size)
- Unique 5 bar construction. Lock knitted and reinforced; resists pin damage, does not snag buttons; ideal for easy, rapid pinning.
- Seams double-sewn; guaranteed not to open for life of net.
- "Gibraltarized" Pre-Shrunk, for maximum retention of capacity and shape. 21" x 36" GRANITE has same capacity after washing as 24" x 36" of other nets.
- Available in white or 8 chrome-dyed colors; guaranteed never to fade or bleed.
- FREE SAMPLE—send request on your letterhead.

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SIZES

WHITE, RED, BLUE, GOLD,	14"x20"	21"x36"
GREEN, BROWN, ORANGE,	18"x30"	24"x36"
VIOLET AND BLACK	21"x33"	30"x40"

GIBRALTAR FABRICS, INC.

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GIBRALTAR'S PRODUCTS ARE SOLD THROUGH LEADING DISTRIBUTORS EVERYWHERE

5-L STARCH

brings in the bundle along with his shirts

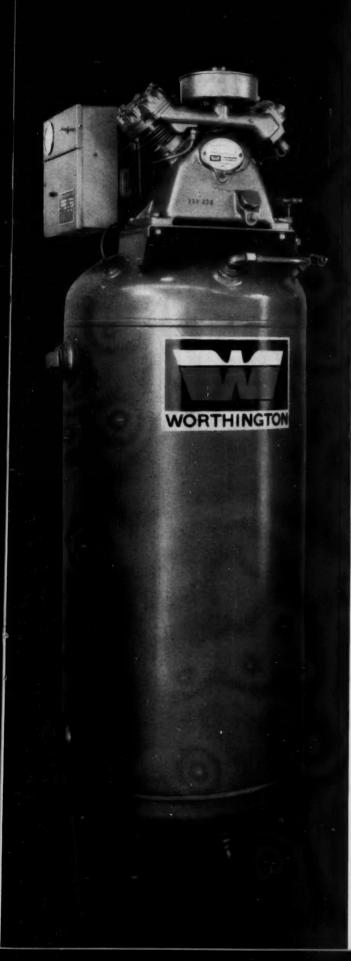
(Brings you PETAL SMOOTH results at lower cost)

Starch shirts right, and they stimulate extra business. "Right" means with Clinton 5-L . . . the thrifty all-purpose starch for shirts, linens, aprons, wash dresses and other family bundle work. Clinton 5-L needs no costly additives. Just vary its concentration. This gives you a petal-smooth finish and correct body over a wide range of fabrics. Yet, Clinton 5-L costs less to buyless to use. It's so carefully formulated every batch is uniformly excellent, waste-free. Cooks in 10 minutes after bringing to a rolling boil. Never builds up on presses or flatwork ironers, either. For fast, efficient family bundle production. nothing beats Clinton 5-L Starch. Try a sample on us.

CLINTON

MAY WE HELP? Our Technical Service Division will gladly advise on specific problems. Just write.

CLINTON CORN PROCESSING CO., CLINTON, IOWA



BEST BUY FOR CHEAP AIR

UP TO 5hp...NEW WORTHINGTON MONOBLOC COMPRESSOR

Based on purchase price, on extremely long compressor life . . . and on safety, too . . . your best buy for a 1½-to 5-h.p. air supply is the new Worthington Monobloc X-Compressor.

First, the MONOBLOC saves you \$30 or more for parts and labor because it comes completely wired. There's no starting switch to buy and install and wire in.

It's more economical, too, because all your money goes to buying a quality motor, compressor, controls and tank. You don't waste it on unnecessary belts, belt-guard, sheaves, long base and on the labor required for assembling them.

Is floor space important to you? The MONOBLOC vertical tanks save over 60% of space required by old-style horizontal units. A 10" radius circle for the 60-gal, tank; a 12" radius circle for the 80-gal, tank.

The Monobloc costs less to run. All power goes to the compressor—no power loss in belt friction. (No belt guards or belt replacements.)

Of course, you want long compressor life. The MONOBLOC is built with the new Worthington X-Compressor design that virtually eliminates harmful vibration. The wide-stance X-shape design reduces vibration to the point where a coin can be balanced on the unit during starting, running and stopping.

A silicon-treated filter element removes over 99% of the dirt from incoming air—the most dangerous source of compressor wear. Tapered roller bearings cut friction. The large lubricating oil sump permits better cooling, less danger from low oil supply. These and other design features assure extremely long compressor life.

We and our distributors are ready and happy to show you why there's no better way of buying cheap air today. Call the Worthington Distributor listed in your Yellow Pages. Worthington Corporation, Section 34-7, Holyoke, Massachusetts.



PRODUCTS THAT WORK FOR YOUR PROFIT

NEW products and literature

For further information or literature write the manufacturer on your business letterhead, mentioning THE LAUNDRY JOURNAL.







COIN-OP DRYCLEAN MACHINE

The Whirlpool coin-operated drycleaning machine is now being field-tested in 20 cities across the country. The selfcontained units operate on 220volt current and have a cycle of 50 minutes for an 8-pound load. The loading door locks automatically when the machine is in operation. The manufacturer estimates the cost of each load at \$1.50.

Joseph, Mich.

FIBER-GLASS WATER SOFTENER

The new Belvedere is a fully automatic fiber-glass water softener, guaranteed against rust and corrosion. Features include brine tank shut-off, automatic bypass and extra-large movable polyethylene brine tank.

Bomarc Industries, Inc., 17 Nassau Ave., Inwood 96, N. Y.

PATCHING MACHINE

The A-60 Royal Patchmaster is a new portable machine for patching garments and linens by automatic sealing. The company's flexible Royal-Seal patches are available in any color or department strip.

Austin Supply Company, 210 S. Clinton St., Chicago 6, Ill.

DRUM TRUCK

Ezy-Rol Barrel Cart allows a drum to be carried at pallet height, features extra wheels to reduce operator effort, twowheel safety brakes for control on inclines.

Valley Craft Products, Inc., Division of O'Neil-Irwin Mfg. Co., 770 Jefferson Ave., Lake City, Minn.

DIAPER SOFTENER

Kidskin diaper softener is a liquid compound used with no staining, to reduce fiber breakage and lint collection, and will not render garments waterproof.

Anscott Dry Cleaning Products, Inc., P. O. Box 566, Industrial West, Clifton, N. J.

SMALL DRIERS

Jet 60 commercial driers are small units designed to eliminate customer underloading of conventional 50-pound coin-operated driers. Jet 60's are streamlined to save space.

Clesco National, Inc., 1844 W. Flagler St., Miami 35, Fla.

PANEL TRUCK

The new Corvair 95 Corvan Whirlpool Corporation. St. light-duty panel truck has wide access doors, rigid unit-frame construction, low load floor height, is powered by rearmounted 80 hp. air-cooled Corvair engine. Load space is 191 cubic feet, maximum load capacity 1,800 pounds. Front and rear wheels are independently sprung for stability.

> Chevrolet Motor Division, General Motors Bldg., Detroit

NEW WASHER-EXTRACTOR

Prosperity's new washer-extractor features 50-pound dryweight capacity, spring mounting to eliminate concrete foundations. The unit has an open-end stainless-steel cylinder, semi-automatic controls or fully automatic operation.

The Prosperity Company, Division of Ward Industries Corp., 701 Nichols Ave., Syracuse 1, N. Y.

BOILER BULLETIN

Bulletin 4013 on the new 200 hp. Drum Modulatic Boiler contains complete specifications and describes its features.

Vapor Heating Corporation, 80 E. Jackson Blvd., Chicago 4,

LIPSTICK REMOVER

A new spotting agent dedilution. It is said to be non- signed to remove lipstick stains is called ReddyGo. It is available in a spotting-board size bottle with dispenser cap or a large

> A. L. Wilson Chemical Co., 1050 Harrison Ave., Kearny, N. J.











Smart Laundrymen Are Cutting Costs With SAGER SPREADERS

Handle More Sheets With Fewer Operators



for Round the Clock High Speed Production

The SAGER "A" model Spreader enables one operator to spread and deliver to the ironer feeders more sheets per hour than 3 or 4 hand shakers—even up to 1,000 sheets per hour. This is the model for the plant that handles more than 3,000 sheets and spreads per day. If your production is less than that, see our SAGER "B", below.

Save Up To \$100 Per Week On Ironer Production

Besides saving the time and labor of two or more shakers, a SAGER Spreader increases ironer production and increases efficiency all along the line. Big savings are real, not merely theoretical. One West Coast laundryman writes: "Our SAGER has been in use for about 12 years and has saved more per dollar than any equipment we have ever had." He speaks for hundreds of others who have had similar experience.



SAGER "A" Spreader at University of Minnesota

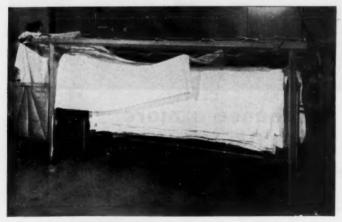


for 1,200 to 3,000 Sheets Per Day Production

This machine is designed for the single ironer plant. For the feeding of large flatwork at high speed, even up to 18 sheets per minute, spreading at 6 to 15 sheets per minute under suitable conditions. One operator does the work of 2 or 3 hand shakers with less effort and higher efficiency.

Reduces Labor Turnover

A SAGER Spreader eliminates one of the most tiresome tasks in your plant—hand shaking of sheets. No more heavy loads and nerve wracking hand work. Your SAGER operators stay because they like their jobs, thus saving you the expense of constantly training new labor and high social security costs.



A SAGER "B" Spreader operates with one girl

A SAGER SPREADER Quickly Pays For Itself

A SAGER SPREADER is not beyond your means. If your sheet production is 1,200 or more per day you cannot afford to be without one. It will pay for itself more quickly than you can imagine in saving of labor and speeding up production.

WRITE For Full Facts

If yours is a laundry handling 1,200 or more sheets per day, write today for details and names of progressive laundries all over the world which are offsetting higher wages with this labor saving machine. But write us only if your sheet spreader production is 1,200 or more daily. Otherwise you cannot profitably use a SAGER.

A Michigan institutional laundrymanager writes: . . . "At our wage level—\$1.23 per hour, or \$50.00 per operator each week, the savings will pay for a Spreader every 6 months."

A New England laundryowner writes: . . . "We feel that it is the best purchase from every standpoint that we have ever made in over 70 years of business."

Pleas	send us full facts about your labor-saving Sager Spreaders.
M. /	A. Pocock
	Central Ave., N. E. capelis 12, Minnesota
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City	
State_	
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"We couldn't have purchased a more efficient or economical fleet if it had been custom engineered to our specific needs!"

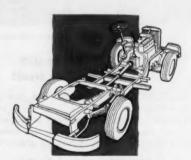
Those are the words of Mr. Joel Green, president of Fluff 'n Puff Pillow Service, a fast-growing national franchise operation that turned to DIVCO for the answer to their multi-stop delivery problem. Mr. Green has underscored the complete sincerity of his statement by ordering an additional fifty DIVCO DIVIDENDS to augment his present fleet of 65.

Fact of the matter is, DIVCO trucks are custom engineered for specific multi-stop delivery needs. Sound basis for all 31 models is the rugged, dependable DIVCO chassis that thrives on stop-and-go operation. No converted passenger car engine or over-the-highway truck power plant, DIVCO engines are built to idle without overheating, they take the constant kick of start and stop and do all this on a minimum of non-premium fuel, DIVCO's long service life (4 out of 5 DIVCOS ever built are still licensed and in service) is a big bonus benefit that further slashes operating costs.



How much "too much" is your present fleet costing you over what DIVCOS could do it for? We have facts and figures that will interest you. Write today—or contact your DIVCO Dealer.





The famous DIVCO Chassis

is specially engineered and built for multi-stop operation. Rugged strength and long life is assured by oversized component parts and finest quality materials. Dozens of exclusive DIVCO utility features make for best driver convenience and ease of operation.

ROK-RIB

NET EVER TESTED!

Here is the toughest, strongest net ever tested by the Whitehouse Research Laboratories!

It's ROK RIB, a net specially designed for laundry application.

This net is constructed of a heavy filament nylon which stands up under the most severe washwheel conditions for an amazingly long period.

You'll cut replacement costs with ROK RIB.

This exceptionally tough net has now been used with outstanding success by leading laundries in all parts of the country. If you haven't tried ROK RIB, ask your jobber for more information.

CONTINUED LEADERSHIP THROUGH CONSTANT RESEARCH



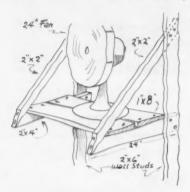
WHITEHOUSE NYLON PRODUCTS . 360 FURMAN STREET . BROOKLYN 1, N. Y.

bellew PRINTS

IT IS SAID that an old-timer is a man who can remember when it was cheaper to drive a car than to park it. Of course, that was back when a "compact" car was one that had been hit by a train. About the same time the expression "import" meant only that the refreshments would be superior to the available bathtub variety of gin. Of course *l'm* too young to remember, but my friends keep filling me in.

FAN BRACKETS

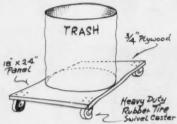
Noticed some neat wall brackets to hold some 24-inch electric fans between the windows at the Diamond Laundry plant. With an open wall here, the 2-by-6-inch wall studs were available to support the brackets, as can be seen in the illustration. (I can think of little reason for mentioning this item except I must fill the page.)



Actually, by having the lumberyard cut dimensional lumber at predetermined angles, it was a simple matter to install the brackets at the plant without making another single cut. Besides saving a great deal of time in the installation of the brackets, it also eliminated a considerable waste of lumber. (In case Ralph Morris reads this: "Never mind mentioning me in your will . . . just leave me permission to dig in your backyard.")

USEFUL DOLLY

I noticed a trash drum at Diamond Laundry that was perched on a little homemade dolly equipped with four heavy-duty little rubber-wheeled swivel casters. It was only 18 inches wide and 24 inches long and made of %-inch plywood, but to me it seemed it would have made more sense to mount smaller casters directly to the base of the trash drum.



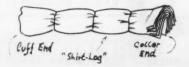
Ralph Morris put me straight when he explained he uses the dolly for a lot of things. For one, the janitor hauls a trash drum around on it when he's picking up trash from the other drums. It's perfect for transporting heavy supplies about the plant, and is actually heavy-duty enough to use for moving even the heaviest press.

SHIRT LOGGING

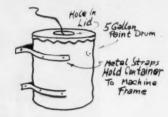
Dick Heyes is one of many laundrymen currently washing shirts in "logs." In fact, he bought a towel tyer to speed the job. For best washing he prefers eight shirts to a log. As the girl marks the shirts she hangs them over a big dowel pin; as soon as eight are hung she turns to the tying machine and ties them in three places. This leaves the heavily soiled collars and cuffs sticking out at opposite ends of the log for good washing. Incidentally, 10-pound string has been adequate for the job, rather than 12-pound.

There are several advantages in this manner of washing, according to Dick Heyes. For one thing, it is possible to wash no-starch shirts with sheet loads and not worry about tangled or torn shirts. No longer is it necessary to shake out shirts for the finishers, since the expediter simply cuts the strings and places the shirts in the unit's

A shirt Bundle Tied In Three Places

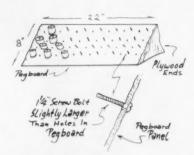


damp boxes. Where one girl formerly spent nearly her full time supplying the shirt units, it now takes only a fourth as long. And, according to plant superintendent Howard Kyte, these logs are much easier than netted shirts to fit into an extractor. There is quite a saving, he says, in nets and washing supplies, too.



STRING CONTAINER

Here's one from Nuway that Harry Petersen claims is nothing new with modern bundle-tying machines, but a few years ago it made a big difference. These machines used to come with a string container that would hold only a 2-pound spool. This was replaced by a 5-gallon paint bucket that would hold a 10-pound spool of string. Half-inch metal brackets held the larger container to the machine frame.



PEGBOARD FOR SPOOLS

Another use for pegboard. I saw a simple little deal where an 8-by-22-inch panel holds close to 30 spools of thread at a repair station. Triangular pieces of half-inch plywood at each end held it at a convenient angle for the seamstress. The spools were held in place by 1¼-inch screw-bolts slightly larger than the pegboard holes. These bolts were threaded into the holes from the back side of the pegboard.



for increased coin-op profits . . . NEW LAUNDRITE® WX® "25" WASHER-EXTRACTOR

Expand your services and free your smaller units during rush hours with the giant capacity and speed of the new LAUNDRITE WX "25."

In just 30 minutes, customers can do 4 to 7 domestic machine loads at one time in this rugged, fully automatic unit. Completely safe and simple to operate, the WX "25" can offer single load service on 9' x 12' shag rugs, drapes and other bulky items.

Constructed of stainless steel with no gears or chains, a standard or coin-metered wx "25" installs in a 28" x 29" space on concrete floor. No specal foundation is required. The wx "25" has an economical 34 h.p. load and uses only 48-52 gallons of water per cycle for minimum operating costs.

WRITE FOR DETAILS NOW!

TROY LAUNDRY MACHINERY

American Machine and Metals, Inc.
EAST MOLINE, ILLINOIS

World's oldest manufacturer of power laundry machinery

Divisions of American Machine and Metals, Inc.

TROY LAUNDRY MACHINERY . RIEHLE TESTING MACHINES DE BOTHEZAT FANS . TOLHURST CENTRIFUGALS . FILTRATION ENGINEERS . FILTRATION FABRICS . NIAGARA FILTRATION FABRICS COMPANY . LAMB ELECTRIC COMPANY . HUNTER SPRING COMPANY . GLASER-STEERS CORPORATION

TROY LAUND	1 M. II J. Matala lan
EAST MOLINE,	rican Machine and Metals, Inc.
Diseas sand .	me details on the new, coin-operated
LAUNDRITE WX	c "25."
LAUNDRITE WX	c "25."
LAUNDRITE WX	c "25."

Introducing - New Improved

Colgate KWIKSOLV

faster removal of oily soil and stains!

Special brightener for whiter, brighter washes!

Practically dust-free formula!



More effective emulsifying and emulsifying beavy soil! dispersal of heavy soil!

Saves you time and money!

Better tinsing uniform

The famous "one-shot" laundry compound — now better than ever!

Extensive laboratory and "in-the-laundry" research now makes possible a new and significantly improved Colgate Kwiksolv. New Kwiksolv is *complete*—no break compound or supplementary alkalies are

needed. For a better-than-ever washing job on family white work, white shirts, linen supply, diapers and towels, get better-than-ever Kwiksolv—the perfect "one-shot" laundry compound—today!

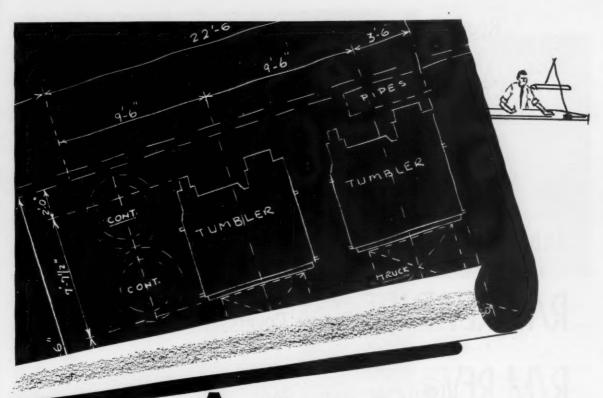
Available in 110-lb. bags



Colgate-Palmolive Company

300 Park Avenue, New York 22, New York

Atlanta 5, Ga. . Chicago 11, Ill. . Kansas City 11, Mo. . Oakland 12, Calif.



Can PLANNING AND ENGINEERING

EXCLUSIVE WITH CHALLENGE DRYNAMIC TUMBLERS



Installation of high production laundry equipment requires expert planning and engineering . . . IN ADVANCE!

ONLY through the purchase of Challenge Drynamic Tumblers is this service provided and at no extra charge! Experienced American survey engineers plan and engineer your tumbler installation, AND the work flow of related equipment from extractors to flat work ironers, to assure complete plant efficiency.

Don't overlook the value of this important planning and engineering service when you're considering new laundry equipment . . . a service backed by American's 90 years of experience and "know how" in the laundry industry.

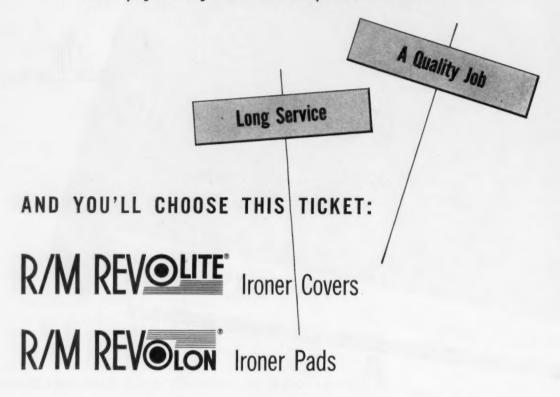


CHALLENGE-COOK BROS.

SAN FERNANDO ROAD, LOS ANGELES 65, CALIFORNIA, CLINTON 6-3151 SUCCESSOR TO: CHALLENGE MANUFACTURING CO., AND COOK BROS. EQUIPMENT CO.

CHALLENGE DRYNAMIC TUMBLERS ARE DISTRIBUTED EXCLUSIVELY BY THE AMERICAN LAUNDRY MACHINERY COMPANY.

Keep your eye on the important issues:



The point is to install both—REVOLITE and REVOLON—because together they are designed to last at least a year. Get both and you reduce operating costs. They're the modern flatwork ironer combination that resists the rigors of present-day temperatures and operating speeds.

Here's why. R/M REVOLITE Covers are made of flexible, durable asbestos fabric, coated with synthetic resin. R/M REVOLON Pads are made of asbestos and Dacron.* They are long lasting, keep their resilience, and match the durability of REVOLITE Covers.

R/M also supplies REVOLITE press covers for many types of laundry and dry-cleaning

R/M REVOLON Pads, the only satisfactory blend of asbestos and Dacron, can hold up for a year under high temperatures and high speeds. They keep their resilience, dry quickly, and, as a key member of the REVOLON-REVOLITE installation, provide uninterrupted service and low maintenance costs.

presses. For further information on the complete REVOLITE line, write or wire. Our representative will be glad to discuss your requirements with you.

Members of A.I.L., L.S.A., N.A.I.L.M., L.C.A.T.A.

*A Du Pont trademark



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OF RAYBESTOS-MANHATTAN, INC.

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THE GOOD LOOKS **BRING 'EM BACK!**

Also available without meter (WC-9916) and Model DC-9050 Dryer

Famous for Quality the World Over

GET THE FULL STORY on the PHILCO-Bendle "Matched-Set"

COMMERCIAL LAUNDRY SALES

TO BRING 'EM IN THE GREAT FEATURES TO

> The customer's first look at your coin store or launderette shows up, or doesn't show up, in your cash register. If she sees a ragtag collection of laundry equipment that makes your operation look "thrown together," chances are her wash dollars will go elsewhere.

> That's why the new Philco-Bendix Double Load Washer and matching 50-lb. Dryer are made for each other . . . and look it. They give any store a custom look. And these hand-some "Matched-Set" machines are the most efficient in operation today . . . their performance brings satisfied customers back again and again.

> Don't waste a day in putting the Philco-Bendix "Matched-Set" to work in improving the appearance and profit picture of your store. Send the coupon today!

PHILCO-BENDIX 50-LB, DRYER

Dries a full 27-lb. load in 30 minutes. • 100% safe for all fabrics, even synthetics. • Dries clothes so wrinkle-free, many need little or no ironing. • Interior light for trouble-free unloading. • Convenient magnetic door latch. • Automatic safety door switch. • High-luster double-baked enamel finish.

PHILCO-BENDIX DOUBLE LOAD WASHER

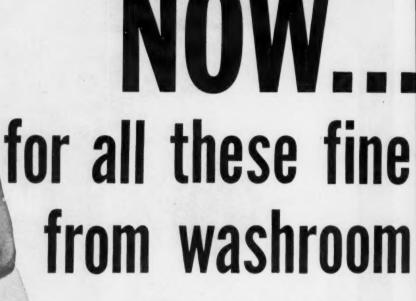
Does twice the work of ordinary washers
... brings in double-load profits. • World's
safest, cleanest washing action. • Exclusive pre-soak cycle, a must for heavy soil.
• Built-in, not tacked, wired or stuck-on,
mechanical coin meter for maximum security.
• Soak, wash and rinse-water temperature
selector. • Handsome porcelain cabinet is
permanently acid- and alkali-resistant.

Philco Corporation Commercial Laundry Sales Adv. Dept. LJ-1 Tioga and C Streets, Philadelphia 34, Pa.

Please send me information right away on the Philco-Bendix Double Load Washer and matching 50-lb. Dryer . . . also the name of my local distributor.

Address

Zone_State Philos-Bendix Commercial Laundry Equipment is brought to you by Philos Gorp.



The name in laundry products is Keever-Beach. Consolidation of two of the oldest and most reliable companies in the industry... The Keever Starch Company and Beach Soap Company... sets a new standard of quality, dependability and service for washroom and finishing products. Ask your distributor about these well known brands and what they will do for you.

- PRIME SOHP New activated PRIME SOHP gives you more washing power per pound. Because of the perfect balance of special soaps and high potency Alkali (OH) you use less and get better results.
- MINISUDZ —A controlled suds detergent with "Fluorium" a new miracle brightener. Removes all kinds of soil in hard or soft water, eliminates over sudsing ... brightens all fabrics... prevents lime soap scum on materials and washers.
- HYCON DRY BLEACH
 —A double-action stain remover... bleaches safely and completely... dissolves many stains which other bleaches will not remove.
- PHOSRITE —A soap regenerator scientifically adjusted and stabilized. Simply add to your regular formula. Removes lime soap deposits... scrubs out dirt... softens hard water... improves bleaching.
- ULTRA-LITE —The fluorescent whitening sour— ULTRA-BLUE —The fluorescent blue sour—Both make whites whiter and colors brighter, contain antichlors that remove residual chlorine, are equally high in solubility and neutralizing power, save time by eliminating bluing operation.

Minisudz, Hycon and Lestare are available in packets for coin-ops.

one dependable name laundry products...

- SATINETTE —A balanced blend of wheat and corn starch for proper body and a smooth, pliable finish. Satinette never separates or congeals. Cook it once. Use it all.
- SATINETTE QUICK STARCH —Requires no mixing or cooking. Just add dry to the wheel. New, easyto-use Satinette Quick Starch saves time and money.
- FABRISOF New ready-to-use liquid fabric softener. Gives you a soft fluffier finish... prevents materials from sticking on presses...saves money by cutting about 20% off extraction time and about 15% off dry tumbling time.
- KEEVER STEEL WOOL PADS Press Padding... Flan-O-Wool... Flatwork Ironer Padding—Custom made to fit any press or ironer... custom made to do the job for any classification... family work... industrial work.
- DEPENDABLE SERVICE —Your Keever-Beach salesservice man is a specialist in laundry operations. He has the knowledge and the every-day experience to handle all washroom and finishing problems. Enlist his aid... he can be a valuable asset to your business.

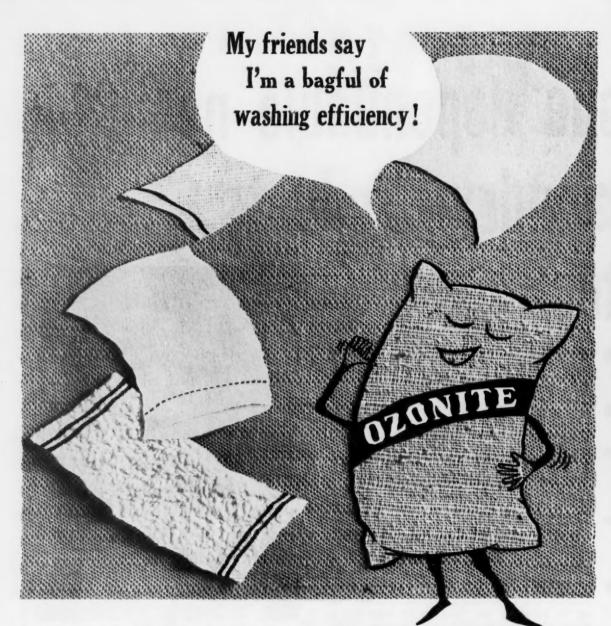


SOLD NATIONALLY BY MAJOR DISTRIBUTORS



THE KEEVER STARCH CO.
COLUMBUS 15, OHIO





It's true! OZONITE is the complete detergent that gives you better results at lower cost!

Have you used Ozonite lately? If you haven't you're missing the best Ozonite ever built for washroom efficiency and economy!

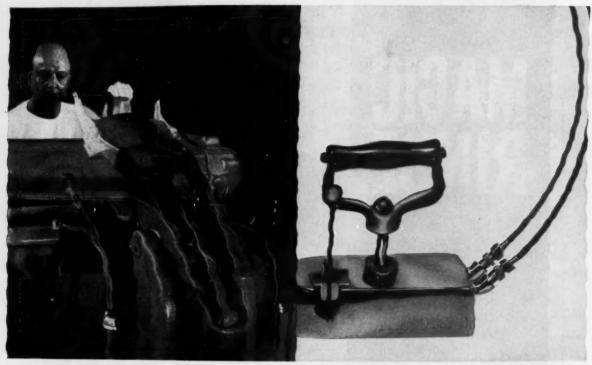
Ozonite has been improved by advanced scientific research in the famous Procter & Gamble Laboratories. It's a ready-to-use balanced blend of high titer soap and alkaline builders made the special Ozonite way that works to perfection in your washroom equipment.

When you use Ozonite you can count on superior soil removal . . . white whites and bright colors. And you get all this with broad safety to fabrics. What's more, Ozonite is simple and easy to use . . . even inexperienced washmen get top results with it.

For more information on Ozonite and how it can help you increase your efficiency and profits, write to:



TO MEET TWO PRESSING PROBLEMS WITH TRUE ECONOMY



PRESSTITE®

BY ANACONDA

Quality connectors for steam press equipment

Your savings with Presstite connectors come from quality design and manufacture that give you long service life with minimum down time and greater safety. The core is of tin bronze (98.75% copper, 1.25% tin), the alloy that best withstands flexing. The wire braid is of signal bronze (98.24% copper, 1.75% tin, 0.01% phosphorous), the wire alloy providing the best strength and fatigue properties for the purpose.

A good indication of this high quality is the fact that 9 out of 10 press manufacturers install Presstite on original equipment. Presstite is simple to order—there's a unit for every modern press. Just tell your supplier the make and the model of your press. He will ship the proper Presstite connector to you fast.

On older type machines with leaky swing joints, switch to another Anaconda product—flexible Steamlite[®] connectors. They fit single- or double-port presses.

PRESSMATE®

BY ANACONDA

Extra-long-life connectors for hand irons

Conventional hose connections for steam irons have for years been an acute problem. They have been relatively stiff and cumbersome and have required frequent replacement.

Anaconda has developed a new extremely flexible steam hose connector—Pressmate—to solve this problem. Pressmate is a specially developed assembly utilizing a core of Teflon*. Tests in the laboratory and the field have demonstrated it far superior to connectors presently in use. Pressmate comes in 3-, 4-, 5-, and 8-foot standard lengths—has a heat resistant and electrically insulated protective cover. Standard fittings make it easy to adapt Pressmate to your equipment—all-steam hand frons, steam-electric irons, and gun-type spotters.

FOR MORE INFORMATION on any Anaconda connector, call your supply house. Or write: Anaconda Metal Hose, P.O. Box 791, Waterbury 20, Conn. In Canada: Anaconda American Brass Ltd., New Toronto, Ont.

Registered trademork for DuPon Hugroscorbon tesins.

PRESSTITE and PRESSMATE CONNECTORS

ANACONDA

MAGIC R CHEMICAL



Magic Rinse added to the last rinse, would have eliminated this customer's irritation by imparting a soft feel to his linens.

Here's a man with a problem—scratchy collars and cuffs—and you are the only one who can solve it. Instead of scratchy laundry he wants firmness with a soft touch. He has never heard of Magic Rinse softener that removes the scratch, increases resistance to soil, inhibits perspiration odor, keeps linens fresher longer and increases linen life—but you can please him no-end by giving him and all customers Magic Rinse advantages in their laundry.

And you benefit too—through increased general plant efficiency. For Magic Rinse eases the flow of work from wheel and extractor, minimizes abrasion and strain, reduces extracting and drying time 25%, eliminates static and reduces rolling and re-runs. Saves you money—makes you money!

Assure customer satisfaction and plant efficiency. Send coupon today for free booklet and complete details.

EDMAR CHEMICAL COMPANY 3939 Valley Road, Cleveland 9, Ohio

Gentlemen: I want customer satisfaction. Please send me complete information on Magic Rinse.

Name	Title	
Company		
Address		
City	State	

EDMAR CHEMICAL COMPANY

3939 Valley Road, Cleveland 9, Ohio



Press manufacturers have long recognized the important part specially engineered pads play in the satisfaction you get from the operation of your high production upright and cabinet type bosom-body and sleeve presses. That's why Ajax, American, Forse, New Yorker, Pantex, Prosperity and Unipress chose only this specially-designed, plant-proved Resillo padding combination as standard equipment for their modern, high speed shirt units. Ex-

haustive tests proved conclusively that this perfect, permanent-type padding delivered finest quality finishing, maximum production and utmost economy.

To guarantee the utmost in production, highest quality pressing, and economy, use only your Press Manufacturer's recommended Resillo Monelo and Flamonel Pads.





THIS NEWSPAPER ADVERTISEMENT IS PART OF A SALES PROMOTION

BIGGER
VOLUME AND
PROFITS

FOR BOCK EQUIPPED COIN-OPS

\$ \$ \$ \$

More and more coin-op customers are looking for the stores with Bock Extractors and Spin-Dry Service.

Bock, the leading extractor manufacturer, now offers optional promotion kits to increase profits for Bock equipped stores.

The second secon

ADDRESS

Mat Size—2 columns x 5"

DON'T DELAY. WRITE FOR ALL THE DETAILS

BOCK LAUNDRY MACHINE CO. . 3600 SUMMIT ST., TOLEDO, OHIO

"Best time I ever had at a laundry— they use 24-K Press Padding



by **JOMAC!**"

Golden 24-K on your bucks makes a big difference in the kind of work you can turn out . . . a sure way to build repeat business. Its loop pile gives extra absorbency, "imbeddability," scorch resistance, and long life. Guaranteed to outlast double-faced flannel or your money back. Write today for the name of the 24-K distributor nearest you. Address Jomac Inc., Philadelphia 38, Pa., Dept. I.

Regular Jomac "54" and "33" also available, if preferred



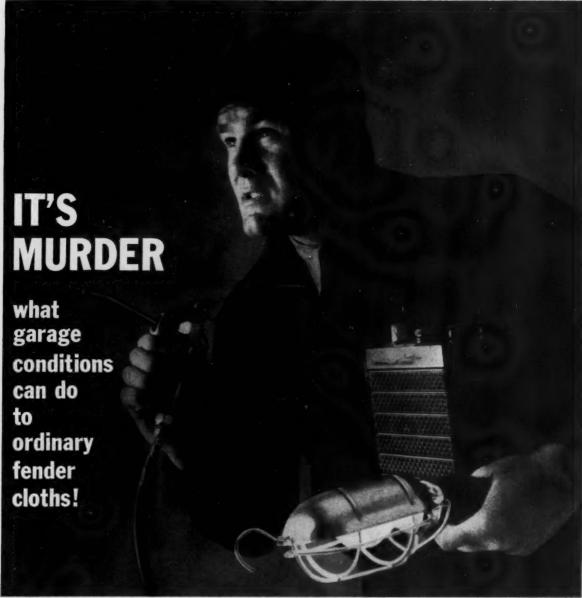






"Bucks never had it so good" 200

" JOMAC



but fender cloths of 100% ACRILAN* live on and on...

Hot trouble lights, hot manifolds, corroding battery acid, grease and oil-this gashouse gang can't touch fender

Why? Simple. With Acrilan, heat resistance, even scorch resistance is built right in. That's not all. Fender cloths of 100% Acrilan acrylic fiber also resist the bite of acid. Shed ground-in grease, grime and oil in the regular wash cycle. Go through countless launderings without shrinking, without stiffening, without weakening. Seldom need mending!

Naturally, the original cost is more, but on a cost-wear

basis you actually save money-since fender cloths of 100% Acrilan acrylic fiber will still be going strong after you've replaced your old-style fender cloths for the fourth time!

If you don't have these fender cloths, an investigation is in order. See for yourself how they can quickly up profits by cutting down on replacements.

cloths of 100% Acrilan acrylic fiber! Chemstrand has licensed this ingredient trademark for those fabrications that provide utility, function and consumer value. In order to obtain a license to use this trademark, the fabrications must meet certain rigid specifications as established by The Chemstrand Corporation.

ACRYLIC FIBER Reg. T. M.s of Chemstrand

THE CHEMSTRAND CORPORATION . GENERAL SALES OFFICES: 350 FIFTH AVENUE, NEW YORK 1, M. Y.

DISTRICT SALES OFFICES: 350 Fifth Avenue, New York 1; 314 Overwood Road, Akroa, Ohio; 197 First Avenue, Neodham Heights, Mass; 129 West Trade Street, Charlotte, N. C.; California Office: 207 South Hill Street, Los Angeles 14 . Canadian Agency: Fawcett & Co., 34 High Park Blvd., Toronto, Canada . PLANTS: ACRILANG ACRYLIC FIBER—Decatur, Ala; CHEMSTRANDO NYLON—Ponsacols, Fig.



FABLOK
CUSTOM-COLOR
CODING CONTROL
SYSTEM

Fablok's New Custom-Color Coding Control System Is Especially DESIGNED To Save Your Plant TIME AND MONEY!

Whether you are a laundry or dry-cleaner doing only a few thousand shirts per week . . . or do a major laundering operation which includes everything in the household, Fablok will outline for you, *absolutely free*, a simplified color-coding nylon net system which we *'guarantee'* will save you hundreds of dollars in labor and operating expense, and at the same time utilize your present inventory of nets.

Fablok's new Custom-Color Coding Control system can be used with:

LOT SYSTEM • KEY TAG • SERVICE CLASSIFICATION
or BRANCH STORE OPERATIONS

To take full advantage of this latest Fablok "4C" Service, write to Jack L. Rachleff at once, outlining the following information:

 What is your present nylon net inventory (include all colors and sizes, etc.)?

What type of laundering do you do?
 a—Full family laundry c—Shirts only
 b—Bachelor-bundles only d—other

3. If you operate with branch stores, how many? 4. What is the name and address of your present net supplier? These well-known organizations have already taken full advantage of our new service, and are saving dollars daily:

Union-Imperial Laundry Newark, New Jersey

SPOTLESS STORES
Paterson, New Jersey

Esquire Cleaners
Kansas City, Missouri

HAMPTON CLEANERS St. Louis, Missouri

DEPENDABLE CLEANERS
Denver, Colorado

DESPATCH LAUNDRY
Minneapolis, Minnesota





Ask about Laundry Maid products in bulk cartons

Only the C/L SLING RING System saves you over \$2,000 per extractor conversion!

C/L SLING RING®

Modernize your plant by installing time and money saving sling operation. But be sure you use the C/L SLING RING System! Unlike the costly extractor conversion jobs necessary with ordinary slings, your present unloading extractor can be converted to the C/L System in less than an hour! And only the C/L SLING RING System provides great extra economies by eliminating two costly operations. See the basic difference below!



1. The operator places the washed load in the canvas sling held in shape by the G/L pivoted balancing container. This is a far greater load—30% more—than extractor cans can hold.



2. The sling hooks have been attached to the SLING RING and the entire load is now being lifted by the hoist and will be deposited in the extractor—including the SLING RING itself!



3. The SLING RING now rests in position over the loaded sling in the extractor and is firmly, safely locked in place. The SLING RING itself acts as the inner cover of the extractor. The sling hoeks have not been removed. The load is ready for extraction.



4. The extraction is finished. The hoist has been quickly reattached to the SLING RING and the extracted load is being lifted from the extractor, ready for further processing or storage. No need to re-hook the sling to the ring because it never has been unhooked!

Two costly and time-consuming operations, common to ordinary slings, have been eliminated by the C/L System: (1) unhooking the individual sling hooks before extraction and (2) re-hooking them after extraction. From washer to final finishing or storage, the C/L SLING RING and loaded sling stay together!

SUMMARY OF C/L SLING RING System Benefits

- 1. Far lower conversion cost (Average savings: over \$2,000 per extractor)
- 2. Less labor time throughout
- 3. Bigger loads
- 4. Less extractor running time-less electricity
- 5. Far less extractor maintenance
- 6. Recovery of floor space in washroom and finishing area
- 7. Less investment in equipment and trucks
- Better extraction quality, resulting in improved production in finishing area, ironers, tumblers and presses
- 9. Two costly operations eliminated!
- 10. Safe, sure, simple!

C/L SLING RINGS REQUIRE APPROXIMATELY THE SAME HEADROOM AS EXISTING EQUIPMENT

CUMMINGS-LANDAU

LAUNDRY MACHINERY CO., INC.



WESTERN PROSPERITY—Laundries, Inc. is one of the largest laundry businesses on the West Coast with a volume of approximately \$1.500,000 a year. The Hollywood Laundry & Dry Cleaning Co., one of Laundries, Inc.'s four divisions, devotes itself to efficient family service. Forty-seven trucks cover the metropolitan Los Angeles area with a network of fast delivery—and five flat bed ironers produce a steady stream of quality work. To help maintain its high standards, Hollywood Laundry & Dry Cleaning has used Prosperity Apron Cloths for over 25 years. This is another example of how fabrics produced by Mount Vernon Mills and the industries they serve are serving America.





Mount Vernon Mills, inc.



Main Office and Foreign Division: 40 Worth Street, New York, N. Y. Branch Offices: Chicago • Atlanta • Baltimore • Boston • Los Angeles

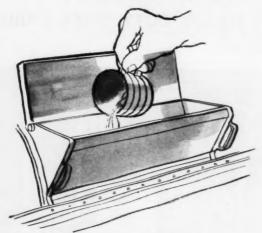
Always look for this purple stripe in all PROSPERITY* and ORIOLE* fabrics. It's your assurance of fine performance and longer life in apron duck and cover cloth fabrics.

PROSPERITY and ORIOLE purple stripe fabrics are available ONLY from these laundry supply jobbers:

THE CARMAN CO., Denver, Col. * CARMAN-CONLEY, INC., Chicago, Ill., Indianapolis, Ind., Milwaukee, Wis. * CARMAN-MITCHELL-WING CO., Stoneham, Mass. * CARMAN OHIO CO., INC., Cincinneti, Ohio * CARMAN PITTSBURGH INC., Pittsburgh, Pa. * CARMAN SUPPLY CO., Cleveland, Ohio * C. C. CHEMICAL CO., Sunnyside, L. 1. * JOHN P. LYNCH CO., San Francisco, Calif., Los Angeles, Calif. * MORRIS & ECKELS, INC., Alexandria, Va., Norfolk, Va., Baltimore, Md. * MORRIS & ECKELS CO., Jacksonville, Fla., Allanta, Ga. * OSMUND & CO., Portland, Ore * ROCHESTER CARMAN SUPPLY CORP., Rachester, N. Y. * JAMES E. ST. JOHN, Philadelphia, Pa. * E. J. THOMAS CO., Columbus, Ohio * THOMPSON-HAYWARD CHEMICAL CO., —CARMAN DIVISION, Fort Worth, Tex., Houston, Tex., Kansas City, Mo., Omaha, Neb., St. Louis, Mo., San Antonio, Tex.

COTE is the name... fabric softening is the game

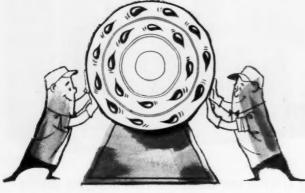
... and here's how it works to help you:



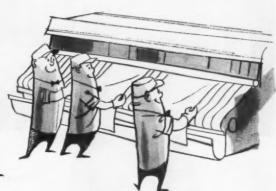
1. Easy to use - add dry to the wheel.



2. Cote-treated fabric is easy to pull – speeds up production.



 Cuts extraction and tumbling time - keeps work soft and smooth for faster folding.



 Stops rolling on flatwork ironer – permits increased ironer speeds.

Linens . . . flatwork . . . bath towels . . . diapers . . . no-starch shirts!

Wyandotte Cote, in powder form, is the answer to all your fabric-softening problems. Your Wyandotte man will be pleased to demonstrate its many advantages to you, on your own work. Call him today. Wyandotte Chemicals Corporation, Wyandotte, Michigan. Also Los Nietos, California, and Atlanta, Georgia. Offices in principal cities.



J. B. FORD DIVISION

Specialists in laundry washing products

Announcing... the NEW MAXIMUM

1, 2 OR 3 DEPENDABLE, MANUALLY

OPERATED STANDARD CHANGE-MAKERS

IN ONE HEAVY DUTY STEEL CABINET



- Heavy 3/16 inch steel cabinet requiring no vault or padlocks
- Underwriters' Laboratory approved locks, and optional burglar alarm
- Front loading and servicing
- Interchangeable units
- New double models
- Simple, dependable manual operation

Any Model Maximum Security Change-Maker can Be Insured at Minimum Premium

The fabulous new Maximum Security Change-Makers have not only been designed to give you more protection for your dollar than any other coin changer, but their built-in security makes them insurable at minimum insurance premiums.

You can insure yourself against loss by theft or attempted theft on any model Maximum Security Change-Maker for as little as \$20 a year. This insurance is made available under a special policy with one of America's largest companies,

- For full information, ask your local Standard dealer, or write:

SECURITY CHANGE-MAKERS

BY



Maximum Security Change-Makers combine new security, convenience and flexibility with the proven dependability of Standard's manually operated change unit... the same unit employed in over 100,000 Standard Change-Makers used in over 20,000 automatic laundries and thousands of vending locations throughout the United States and many foreign countries.

NO MORE VAULTS. Change units and vault-type protection complete in one rugged 3/16 inch steel cabinet.

UNDERWRITERS' LABORATORY APPROVED LOCKS. Front loading changer door securely locked with two internal screw-type locks, and two case-hardened external locks with double tumbler systems that are UL approved. Restricted key combinations.

OPTIONAL BURGLAR ALARM. Battery operated burglar alarm available as optional accessory equipment on any single, double or triple Maximum Security Change-Maker.

EASIER LOADING AND SERVICING. Each change unit independently mounted in cabinet. Tilts forward for easy loading or may be completely removed for pre-loading or service.

DEPENDABLE MANUAL OPERATION. Simple mechanical mechanism . . . easy to maintain and service, even for the average "do-it-yourself" handy man. No motors, solenoids, complicated wiring systems, relays, switches or electrical installation expense.

MODELS TO CHANGE 1, 2 or 3 COINS. Built to order at the factory to change any 1, 2 or 3 coins (identical or all different) into any possible combination of change.

UP TO \$420 CAPACITY. 7 units to change 50c coins. 4 units to change 25c coins. 1 each to change 10c, 5c or two 5c coins. Units also adaptable to change most foreign coins, dispense tokens, tokens and change, or for cartridge loading.

EACH UNIT SEPARATE. Separate coin slot, large separate cash box, and easy-to-reach return coin tray for each change unit.

SMART CONTEMPORARY CABINET DESIGN. Not only an attractive addition to any store, but equally practical for built-in wall, common front, or wall, stand and post installation.

COLORFULLY FINISHED. Standard color is durable Hammerloid Grey, with brilliant red and white "CHANGE" decal, and easily read, easily understood instructions. Also available in Standard Beige or Green Hammerloid at no extra cost. Other colors, even matched colors, available at slight extra cost.



Single
Maximum Security
Change-Maker

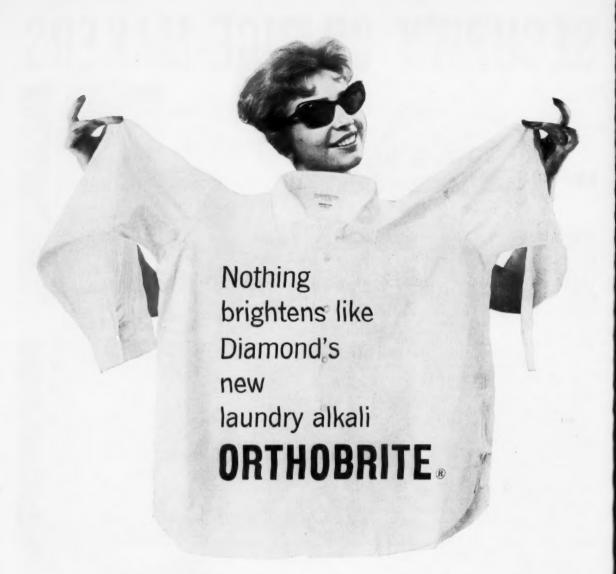


Double Maximum Security Change-Maker



Maximum Security Change-Maker

Standard Change-Makers, Inc., 422 E. New York St., Indianapolis 2, Indiana



Easy to Use . . . Eliminates Waste . . . Dustless . . . Noncaking

A completely homogeneous flake of orthosilicate and complex phosphate with special brightener—produced by an *exclusive* Diamond process. Packed in 100-pound polyethylene-lined bags. • Recommended for institutional, family, diaper and linen-supply laundries. For technical bulletin, write Diamond Alkali Company, Union Commerce Building, Cleveland 14, Ohio.

- Uniform composition at all times!
- · White work is whiter colors brighter!
- · Eliminates expensive brightener-sours!
- Reduces or eliminates bluing!
- Reduces bleach consumption!
- · Will not cause discoloration!
- · Ideal for all classifications!



Diamond Chemicals



HE Washette LINE CERTIFIED BY CSA

TESTING LABORATORY

WILL INCREASE YOUR PROFITS ASSURE CUSTOMER SATISFACTION



COIN OPERATED

25-16. OPEN END WASHER

Featuring short commercial 18-minute wash-rinse cycle (21-minutes including filling time), water temperature control for both regular and delicate fabric washing. Drop-coin meter with slug-rejector, accepts only bonified coins. Finished in gleaming stainless

COIN OPERATED Tumblotto

37 x 30 DRYER

Positive two-temperature control for both delicate and regular fabrics; no variable temperature to do half-way job; safe, fast drying for all fabrics. Dropcoin, slug-rejector meter accepts only bonified coins, no losses from slugs. Available with stainless steel sides and/ or fronts, or in baked-on enamel in your choice of colors.





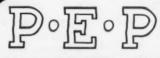
THE JUNIOR LAUNDET

Popular size open-end washer in 25-lb. dry weight capacity. Illustrated with Automatic Supply Injector, special equipment on all pedestal models.



EXTRACTORS

Available in 20" and 26" models, made from glearning stainless steel. Cook extrac-tors are the perfect link between washer and dryer.



PLUMBING ELECTRICAL PACKAGE



Manufactured under strict National Electrical and Plumbing Code regulations.

ther fine product in the Cook THE WORLD'S FINEST

Built Up to a Standard-Not Down to a Price

DELUXE MASTER

Handsome stainless steel cabinet makes beautiful in-line installation, has 50lb. dry weight capacity. Intermixes with 25-lb. deluxe Laundet or deluxe



DELUXE TWIN

Two famous Cook 25-lb. open end washers housed in one gleaming stainsteel cabinet. less Available with automatic controls or with coin-meter. Ends "split" runs, increases produc-

(not illustrated)



THE CENTURY

Heavy-duty 100-lb. dry weight capacity washer. Finished in gleaming stainless steel. Also available: The Senior, with 75-lb. capacity.



THE MASTER

Provides volume production, easy maintenance; 50-lb. dry weight capacity, in gleaming stainless steel.

FOR ILLUSTRATED BROCHURE DISTRIBUTOR WRITE



MACHINERY CO., INC.

Manufacturers of the Only Complete Line of Open End Washers

4301 S. Fitzhugh Ave.

HAmilton 1-2135

Dallas 10, Texas, U.S.A.

ALLIED trade NEWS







CHARLES R. KEELEY



DON WILKINSON



MARC VAN BUSKIRK

Keever-Beach Division, Keever Starch Co., has made new assignments to three sales territories.

Don Harris has been transferred from the Northwest to Detroit and will cover the state of Michigan. He has 13 years experience in the industry. The Northwest and the San Francisco area will be covered by Charles R. Keeley, a 17-year veteran of the industry. Don Wilkinson, with 16 years experience, will cover the Florida territory from headquarters in Sarasota.

Griffin Chemical Corporation has appointed two new distributors for its bacteriostatic-mildewstatic laundry rinse, Steri-tized 303, in the Boston and New York areas. They are Superior Products Co., Somerville, Mass., and A. V. Davies Co., Brooklyn, N. Y.



FRANK GROSSO



MAX V. DOWNING

Frank Grosso has joined the sales force of the Kenston Corporation. Mr. Grosso, who has over 10 years experience in the industry, will have New York's Queens and Suffolk Counties for his territory.

Divco-Wayne Corporation has appointed Max V. Downing operations manager of the Divco truck division. He replaces Holmes T. Collins, who was recently promoted to vice-president of manufacturing. Mr. Downing was formerly assistant plant manager of the Divco division.

Ironrite Inc., Mt. Clemens, Mich., has named Marc Van Buskirk marketing vice-president. Mr. Van Buskirk was formerly sales vice-president of the Superior Paper Products Co. The company has also announced the appointment of J. Walter Thompson Company as its advertising counsel for an expanded marketing program.

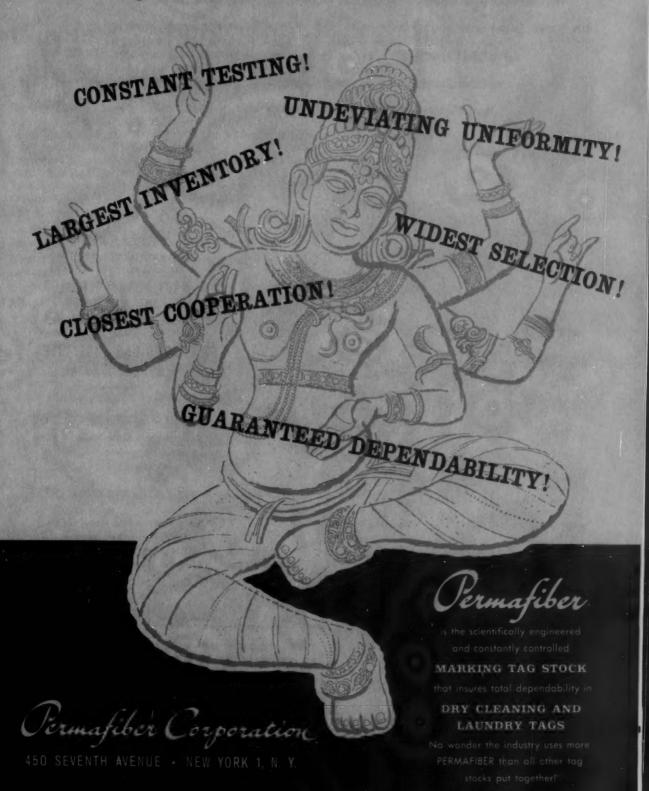


Ajox Pressing Machine recently held a sales meeting in Salt Lake City. Pictured with the field and service supervisors attending the meeting are Nicholas Strike, general manager (center, head of table), John Strike, factory manager (left), and George Strike, sales manager (right). New Ajax products were unveiled at the meeting which was highlighted by seminars for fieldmen.



Pantex Manufacturing Corporation, Pawtucket, R. I., and West German industrialist Heinrich Oelkers have acquired Pantex International, N.V. Shown with Mr. Oelkers (right) Continued on page 38

ON EVERY HAND you see why Cermafiber RANKS SUPREME!



Service SUPREME!

We carry the most extensive selection of marking tag stock in the trade . . .

ON HAND in our warehouse, to assure immediate delivery of what you need when you

need it! PERMAFIBER is instantly available in four weights, in a wide variety of roll and sheet sizes, and nine attractive colors plus white! Uniformity of color and finish are everlastingly consistent. You will find us most cooperative in

catering to special needs.

PERMAFIBER

enjoys the distinction of being the only Marking Tag Stock

AND CERTIFIED

r Durability and Color Fastness since 1948, by the

AMERICAN INSTITUTE OF LAUNDERING

PLANT OPERATORS - SUPPLY JOBBERS

Next time you order Marking Tags, specify those made of

Permafiber

They cost you no more than tags made of uncertified, untested stock. PERMAFIBER also is recommended for Sales Books and Invoice Forms.

THE PROOF OF THE TAG

PERMAFIBER with ordinary printing ink (NOT for testing purposes.) To sample the effectiveness of PERMAFIBER, tear on dotted line and attach to garment to be put through your process. See how quickly and easily it takes marking ink...how clear the markings remain for easy reading...how unaffected the color is...how strong and undamaged the tag comes through.

Using Salt Efficiently

by INTERNATIONAL SALT COMPANY

Only <u>one</u> salt dissolver delivers fully saturated brine at lowest cost

It's the Sterling Lixator—a fully automatic rock salt dissolver developed exclusively by International Salt Company for making 100% saturated brine from economical Sterling Rock Salt. The Lixator needs no maintenance. And it produces a rock salt brine so pure and clean that it can be used in numerous operations formerly thought to require evaporated salt. Here's why the Lixator is now being used in so many laundries . . .

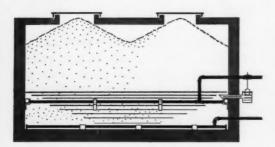
Lixator has no moving parts—nothing to get out of order.

Downflow principle. After water is admitted into the Lixator, it flows *down* through the rock salt in the dissolving zone.

Brine is self-filtered for maximum purity. There is no sand or gravel filter bed to bother with. Instead, rock salt crystals in the lower portion of the Lixator completely filter the saturated brine.

Fully automatic. Whenever brine is drawn off, water is automatically admitted into the dissolving chamber to make more brine. Rock salt flows in from a Lixator hopper or down a chute from an overhead bin. The only requirement is to keep the storage section filled with Sterling Rock Salt.

Great flexibility. The Lixator can be placed anywhere in the laundry, at a point most convenient for salt delivery. *Pipes* deliver brine to points of use.



▲ Diagram of Sterling Storage Lixator. Designed for larger operations, the Storage Lixator is a combination salt storage, salt dissolving, and brine storage tank. On delivery, Sterling Rock Salt is unloaded directly into the Lixator. Lixate Brine is made automatically, as it is in every type of Lixator.

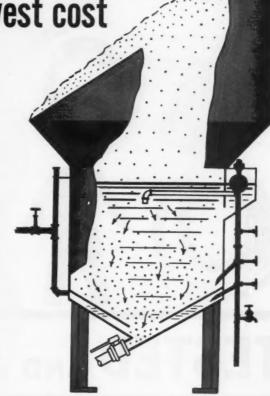


Diagram of Sterling Model Lixator. This is today's most widely used rock salt dissolver. It's available in many standard sizes—from 24" to 120" in diameter . . . with brine-making capacities up to 6,000 gallons per hour. Lixators come in enameled steel, Monel metal, or corrosion-proof plastic . . . with storage hoppers (standard low-lip, wall-type, cylindrical, corner, etc.) to suit any plant requirement.

For information on how your plant can save money with a Lixator, contact the nearest International Salt Company sales office. You can also get a free copy of "Brinefor Today's Industry"—which fully describes the Lixate Process.

District offices:

Boston Buffalo Charlotte Chicago Cincinnati Detroit Newark New Orleans New York Philadelphia Pittsburgh International Salt Company Dep't. LJ-1060 Clarks Summit, Penna.

- Please have representative call with further information.
- Please send free booklet, "Brine For Today's Industries."

Name_____Company___

Address______State_____

INTERNATIONAL STERLING SALT COMPANY

"A STEP AHEAD IN BALT TECHNOLOGY



TESTED AND APPROVED!

GRIPPER Snap Fasteners on industrial work clothes are here to stay!

The big new idea in work uniforms is GRIPPER Snap Fasteners—and the idea is growing fast! Fact: Hundreds of thousands of garments with GRIPPER Snap Fasteners are now in service throughout the country. Fact: Industrial launderers and customers have tested them in use and are unanimous in approval. Fact: Several leading manufacturers of industrial work clothes now offer GRIPPER Snap Fasteners on their garments as a stock item. GRIPPER Snap Fasteners are a product of SCOVILL Manufacturing Company, Waterbury, Connecticut. Also makers of GRIPPER Zippers.

GRIPPER SNAP FASTENERS

The closure that keeps your customers





Cissell coin-meter dryers
have more confidence features
for both you and your customer

Today's customer goes where all her clothes are safe—to the coin laundry featuring Cissell dryers with the new conveniently located Hi-Lo temperature control. She selects the correct temperature for drying man-made fibers, wash-n-wear, delicate materials, or regular wash. The famous Cissell no-snag basket wins her confidence, too.

In addition, five new built-in safety sentinels give both customer and coin-store owner more reasons than ever for confidence in Cissell Coin-Meter Dryers:

- Built-in overload protection for each motor
- Overheat protection for gas heating unit
- Air flow protection against obstruction of lint drawer or exhaust duct
- Fully automatic overcurrent protection . . . unaffected by temperature, requiring no fuses
- Automatic back draft damper prevents chilling of dryer in cold weather, recirculation of hot air from one dryer to another, or hot air blasting into customers face through dryer door

CISSELL

W. M. CISSELL MFG. CO., INC.—Louisville 1, Ky.
Pacific Coast Office: 4823 W. Jefferson Blvd., Los Angeles
Foreign Distributors write Export Dopt.—Cable Code "CISSELL"

Consult Your Jobber

is William F. Crossman, president of Pantex Manufacturing. Headquarters for the new company will be at the Pantex factory in Winschoten, Holland.





RAY PATTERSON

TOM TOWRY

Western Boiler Engineers has appointed two new zone representatives. Ray Patterson is the new Midwest zone representative and Tom Towry is the Southern zone representative.

New York Pressing Machinery Corp. has added four new distributors for its New Yorker line. They are: Stadham Co. of Maryland, Baltimore; Excel Equipment & Supply Co., Cleveland; Fre Cleaning and Laundry Machinery Co., Pittsburgh, and K-B Chemical Co., Billings, Mont.

Boiler Engineering and Supply Co., Phoenixville, Pa., has opened a regional sales office for Continental packaged boilers and Flo-Kontrold boilers at 53 W. Jackson Blvd., Chicago. Joseph David has been named regional sales manager at the new office. He will work with the firm's distributors in Chicago and the Midwest.







HAROLD G. DICK

Saratoga Conveyor Company has announced that Edward Murphy has rejoined the company as chief engineer following a tour of duty with the Army.

Wichita Precision Tool Company, Wichita, Kans., has appointed Harold G. Dick vice-president and manager of product sales. A graduate of MIT, Mr. Dick spent 14 years in the garment manufacturing industry.

Frank H. Hanigan, advertising manager of The Prosperity Company, Syracuse, N. Y., for 11 years, has rejoined the company after a 2½-year absence. He will coordinate research work with new Prosperity sales promotion plans.

Edward Matthews, Midwest representative of Ludell Mfg. Co., has transferred his headquarters from Columbus to 20257 Loraine Rd., Cleveland, Ohio. He serves the Ohio, Michigan, Indiana area.

G. A. Braun, Inc., has announced new flexible lease plans available to linen supply, hospitals, diaper plants and commercial laundries. The lease plans are designed to meet individual needs and conserve working capital.

Hooker Chemical Corporation, Niagara Falls, N. Y., will make perchlorethylene solvent for sale in a 13-state area in the West at its chlor-alkali plant in Tacoma, Wash. This is the first perc-producing plant in the Northwest and the second in the West.



DR. H. E. ROBINSON



NOEL BISSONETTE

Dr. H. E. Robinson, Swift & Company vice-president in charge of the research laboratories, engineering research and equipment development, has succeeded retired vice-president E. A. Moss in supervising a number of products-for-industry operations. *Dr. Robinson has been with Swift 28 years.*

The Unipress Company, Minneapolis, has appointed Noel Bissonette director of purchasing. Before coming to Unipress, Mr. Bissonette was production coordinator at Remington Rand UNIVAC, St. Paul.

Oakite Products, Inc., has elected J. Justin Basch second vice-president and William A. Baltzell vice-president, Mr. Basch joined the company in 1925 as its Pittsburgh representative, Mr. Baltzell has been with Oakite since 1941, when he joined the firm as Dallas sales representative.

Sidney B. Klein has been appointed Eastern district sales representative for Manitowoc Engineering Corp. He will be responsible for the company's complete line, and train sales personnel for distributors.

International Duplex Corporation has appointed the new firm of Ashton-Douglas Associates, Inc., 8014 E. Garvey Ave., South San Gabriel, Calif., exclusive distributor of its 20-pound washer-extractor in the Southern California area.

E-X-P-A-N-D YOUR PROFITS

with this

PROVEN PLAN



Five styles of quality shirts are available, Semi-spread fused coller, broadcloth, Buttondown collar, bastord cloth, spread soft coller broadcloth, all in long sleeve. Buttondown collar in light weight oxford cloth and top stitched collar broadcloth hash in shorts shore.

Professional Laundries Shirt Plan offers

- (1) Pro Laun Label, sewn in the collar, guaranteeing the shirt for one full year if laundered by a professional laundry. The Pro Laun label brings the shirts back to you for repeated laundry business.
- (2) This promotes the laundry industry means profits for YOU—the Professional laundryowner—by increased shirt business.
- (3) Top Quality Shirts—No finer shirts are offered anywhere near this low price.
- (4) PRICE-Shirts are only COMPARE THIS PRICE ANYWHERE! (8.0.8. MAS

Write, wire or call



SALES AIDS
BUNDLE INSERTS
PENNANTS
EASEL DISPLAY BOARDS
ROUTEMEN'S KITS
SHIRT BANDS

SHIRT SALES PROGRAM



"DEDICATED
TO THE
ADVANCEMENT
OF THE
LAUNDRY
INDUSTRY"

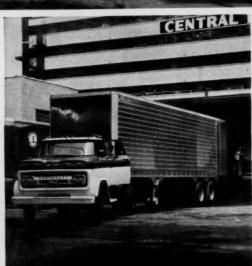
The HAYES COMPANY LIFE & CASUALTY TOWER. — NASHVILLE, TENN.

19613 GREATE SHOW WORTH













1961 CHEVROLET STURDI-BILT TRUCKS! PROVED WORTH MORE BECAUSE THEY WORK MORE

A gigantic advance in trucking began just a year ago, when the first Torsion-Spring Chevy nosed out onto a highway. With a vastly different truck design, featuring torsion-bar independent suspension, this totally new Chevy did just about everything better. And it caught on fast. So fast, in fact, that already there are nearly 300,000 Torsion-Spring Chevies putting out this new kind of working ability on tough jobs all over America. Now, for 1961, Chevrolet introduces trucks with even more of the worth-more, work-more performance that's won such wide owner acclaim over the past year. Even more strength, even more stamina—and an even wider range of models!

MORE MODELS THAN EVER BEFORE! 189 models—work-proved dollar savers in every weight class! 1961 Chevies for every hauling chore in the book include three new long-wheelbase 4-wheel drive models, sturdy Stepside and Fleetside pickups, spacious panels, versatile Suburban Carryalls, handy Step-Vans and forward control chassis, tough chassis-cabs of all sizes, mountain-moving tandems. Somewhere in this long, long line is the one truck that makes the most sense on your job!

OWNER-PROVED TORSION-SPRING RIDE! It puts an end to I-beam axle shimmy! Independently suspended front wheels step right over bumps, tough torsion-bar springs soak up jolts. New smoothness speeds up schedules, cuts truck wear and maintenance expense, reduces cargo damage and driver fatigue. Owners report that there's never been anything like it for high-profit hauling!

STRONG, ROOMY CABS THAT HELP BOOST YOUR WORK OUTPUT! Rangy drivers ride in comfort with extra hip room, leg room and head room. Seeing is safe and easy through a whopping big wraparound windshield. The seat's a beauty, too—a full 59½" wide with a spring combination inside that gives just the right support. (And for the last word in working comfort, special 6" foam rubber padding is optional at extra cost.) And the

rugged cab build includes all-steel construction, doublepanel roof and double-walled cowl housing.

TOUGH TRUCK CHASSIS – BRAWNY BASIS FOR BIGGER PROFITS. Massive, truck-built frames add stamina to every chassis. In medium- and heavy-duty models, rugged self-adjusting variable-rate rear springs help smooth out big-tonnage hauls. Quality features galore boost truck life: Extra-big brakes give faster, surer stops and last longer. Precision wheel balance makes steering easier, lengthens tire life. Smooth, durable Synchro-Mesh transmissions come in sizes to suit all types of duty.

engines with proved earning power. Famous sixes that out-sell all others because they're best at brightening cost records . . . big V8's that lead the industry for short-stroke design and hard-working durability! Chevy for '61 offers a long line of power plants to meet the special needs of every weight class.

The truth is, we could fill every page in this magazine with reasons why Chevrolet trucks have never been better than they are for '61, but there's no need for that. Not when your Chevrolet dealer can boil it all down for you so quickly and pleasantly. See him soon and start saving soon!... Chevrolet Division of General Motors, Detroit 2, Michigan.









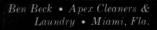


S. A. Sussman . Cleancraft Laundry & Dry Cleaners . La Jolla, Calif.

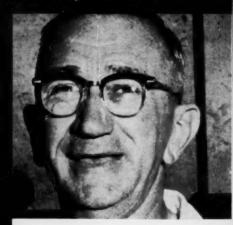
"Dyna-Pak produces more work than any press I've used."



W. C. Stroh • Edgewater Laundry · Chicago, Ill.



"Dyna-Pak is the fastest laundry press I've ever operated."





"We like Dyna-Pak's smooth operation, fast drying and finequality finish."



Philip Snyder • Economy Dry Cleaners • Newburgh, N. Y.

"Our Dyna-Pak Press has given us 2½ years of efficient, trouble-free service."



Plant owners across the nation agree...

AMERICAN'S
DYNA*PAK
IS THE
FASTEST,
SMOOTHEST
OPERATING,
AND
EASIEST-TOMAINTAIN
LAUNDRY PRESS
EVER
DEVELOPED



The Dyna-Pak, featuring exclusive Sealed Power and unusually Simple Design, is acclaimed by plant owners throughout the country as the greatest laundry press development in years.

The Sealed Power Unit, a unique combination of air and hydraulics, makes the Dyna-Pak the fastest, smoothest operating laundry press J. G. Martin • Capital Laundry & Cleaners • Dallas, Tex.

"Dyna-Pak has fewer parts than any laundry press we've ever seen."



you can buy. Simplicity of design, with fewer working parts and unusual accessibility, makes it the most efficient and easiest-tomaintain press the industry has ever known.

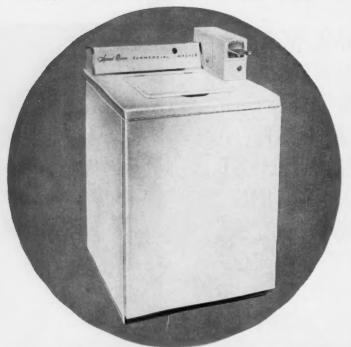
See for yourself why American's Dyna-Pak Press is setting new, higher standards in production, quality of work, ease of operation and day-in, day-out trouble-free service. Get all the facts from your nearby American representative, or write for Catalog AK 230-002.

You get more from



The American Laundry Machinery Company • Cincinnati 12, Ohio

MECHANICAL PERFECTION





Despite Speed Queen's nationally known, enviable reputation for "lowest maintenance costs in the industry"—new engineering, new refinements have been added to the 1960 Speed Queen to make it the most trouble-free, profit-making washer of all time.

Add to those new features, the perfectly balanced, two-an-hour Speed Queen Short Cycle and you possess the unchallenged ingredients for PROFIT.

Speed Queen washer parts are available in over 140 major cities in United States and Canada.



Commercial Dept. J SPEED QUEEN

A Division of McGraw-Edison Company, Ripon, Wisconsin

For complete details
of the new A203
and other Speed Queen
Commercial Laundry Equipment,
fill out and mail
this coupon.

ADDRESS_______
ZONE STATE



A "Serviceman's Dream". Remove two screws from the toe plate and the front panel raises for access to the entire front of the machine.



Remove two screws and the entire top opens. Top and Front panel uni-hinge provides access to all parts without moving machine from its location.



A NEW HIGH TORQUE TIMER, accessible through the coin box access door, requires a simple push to cycle the machine completely. Cannot be blocked on the "IN" position. Easily removed for servicing.



TUB is filled faster, with a new high capacity aerated waterfall inlet. Air Gap is above machine top. Specifically designed to prevent back-up and splash of water.



NEW TAMPERPROOF RIGIDITY and Strength. Two bolts and bracket tie sump tub, side panel, coin box all together. Access to bolts is only through coin box service door.



METSO BASIC SILICATES BUILD CONSUMER CONFIDENCE

FOR TOP QUALITY, LOW COST, USE A METSO BASIC SILICATE...

METSO ANHYDROUS, sodium metasilicate anhydrous METSO GRANULAR, sodium metasilicate pentahydrate METSO 99, sodium sesquisilicate hydrated METSO 200, sodium orthosilicate concentrated

The good word about your quality is passed on from customer to customer. Every bundle you deliver when Metso is in the wheel has a fresh, clean, new quality look. Metso basic silicates remove more soil from all loads, hold it in suspension and prevent it from redepositing on the cleaned work. The combination of active alkali and soluble silica in Metso insures high whiteness retention, bright colors and low tensile strength loss. These add up to quality and consumer confidence.

Try Metso. Compare the results, and be happy too, with the cost saving.

PHILADELPHIA QUARTZ COMPANY

1160 Public Ledger Building . Philadelphia 6, Pennsylvania

METSO DETERGENTS



Associates: Philadelphia Quartz Co. of Calif.; Berkeley & Los Angeles, Calif.; Tacoma, Wash.; National Silicates Ltd., Toronto & Valleyfield, Can.

9 PLANTS . DISTRIBUTORS IN OVER 65 CITIES

TRADEMARKS REG. U.S. PAT. OFF.



CAC.DAR

protects shirts perfectly!

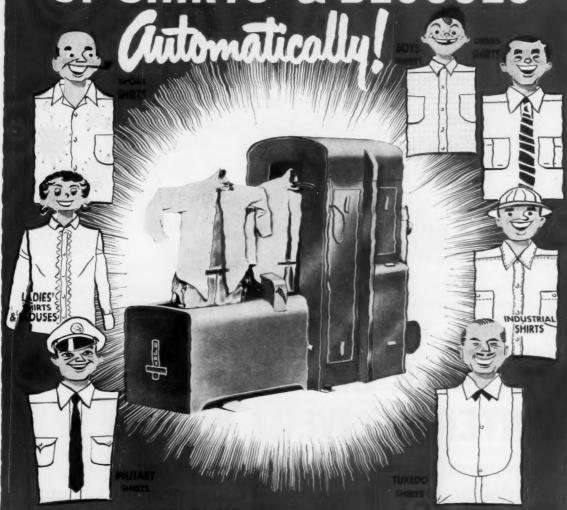
- ✓ Easy to open . . . easy to close
- J Saves inventory shelf space
- ✓ Cuts packing time and labor
- √ In four sizes and four colors
- **√** Available printed or plain
- √ Strong double-wall cardboard delivers all shirts in band-box perfect condition

DISTRIBUTED NATIONALLY THROUGH JOBBERS

Reliable laundry supplies

MANUFACTURERS OF FOLDING CARTONS & PAPERBOARD PRODUCTS
7131 West 60th St. • Chicago 38, Ill. • LUdlow 6-3700

OWN WWW AJAX... THE ONLY CABINET SHIRT UNIT THAT FINISHES ALL TYPES F SHIRTS & BLOUSES



Prove it to Yourself...

at absolutely no risk or obligation. Address your inquiries to AJAX, Box 449, Salt Lake City, Utah, or contact your nearest AJAX representative.

AJAX new versatility makes it possible to increase your profits through . . . FINER QUALITY — HIGHER PRODUCTION — LESS FLOOR SPACE — LOWER MAINTENANCE.

Since 1929 -- "The Leader in Design"

AJAX PRESSES

619 So. 5th West Salt Lake City, Utah



No winter roadblocks! International Metro-Mite® offers you championship performance during the toughest weather. Four-cylinder engine turns out true economy every operating mile and every idling minute. Short 13-ft. overall length means easy parking and maneuverability even on crowded, snowed-in side-

streets. Sizeable body has a 200 cu. ft. payload area – plenty of room for route deliveries and pickups. Walk-in, walk-through unitized cab and body for delivery ease... all at a low price!

WHY PICK UP A LOAD OF WINTER DELIVERY WORRIES?

International. Trucks with Metro® bodies can assure your operation of dependable, low-cost transportation through the "bad weather" season. Whatever the weather, give your customers the service they demand...the type that stimulates return orders. See your International Truck Dealer or Branch now, before cold weather and big problems set in.

INTERNATIONAL TRUCKS

WORLD'S MOST



International Harvester Company, Chicago • Motor Trucks • Crawler Tractors • Construction Equipment • McCormick® Farm Equipment and Farmall® Tractors



loadspace you need for cleaning bags and laundry is in this standard Metro Body—up to 301 cu. ft. or up to 417 cu. ft. in flat back style. With economical six-cylinder power, you can be sure of dependable stop-and-go service during cold winter months. All-steel bodies range in length from 7 ft. 9 in., to 12

ft. 7 in. Improved driver efficiency is provided by the walk-in, walk-through delivery ease of cab and body, Positioning of seats and controls and close-up driving vision, add greatly to the driver's comfort and salety.

HOW INTERNATIONAL PROTECTS YOUR FLEET AGAINST WINTER'S WORST!

A "sure cure" for winter ills caused by truck body corrosion is the care INTERNATIONAL takes on all Metro bodies to pre-

serve delivery units. Here are just several steps taken at the factory to insure greatest possible protection against corrosion.



 Before protective coats of paint are applied, body and parts receive a hot spray which removes dirt, grease and oil, and leaves a phosphate prep-coating which provides a clean, warm surface for maximum paint adhesion.



• Inside of the side doors are sprayed with a black bituminous protective coating. This coating is sprayed on the inside of the outside panel for doubted-barreled protection. Also the top and back edges and any area where hardware is mounted are given this extra protective coating prior to the mounting of hardware.



• All joints are caulked or welded to insure greater freedom from abrasive salts, water, dust, and dirt. The floor, of zinc-plated steel bonded to waterproof plywood, is another rigid and corrosion resistant components.



 A sealing compound is applied to platform floor seams including around wheel-house arch seam. Note black bituminous corrosion preventive paint on side panel.

International corrosion protection adds up to longer body life, allowing your units to be out on their routes working to build up your profits.



Put your best self forward

Have you ever stopped to think what effect you have on other people? Few of us do. Yet it's an important factor in the success of our operations which promises to become even more important in the immediate years ahead.

Lawrence A. Appley, president of the American Management Association, was recently quoted as saying that the real crisis confronting business today is the squeeze on profits.

"Management in industry," he said, "has seldom experienced the problems as it now exists. During the past 20 years a steady climb in prices has absorbed increasing costs. It didn't take much skill to pass increasing costs right along to the public. But now inflation has been effectively even if temporarily curbed. The softness we are experiencing and the anticipated slump are in profits more than in volume of business."

What can we do about it?

Mr. Appley goes on to say management must meet this crisis by more accurate long-range planning and more effective use of our most valuable resource—brainpower.

Now you may ask: What does this have to do with how we affect other people?

Well, Mr. Appley believes one of the most important areas for long-range management research is in "interpersonal relationships" and learning how to strengthen them. In other words, we must learn how to get along with each other better.

This isn't quite as easy as it sounds. Most of us are very ineffective in dealing with others because we don't understand them.

We don't understand them, says one psychologist, because (1) each person is unique. Each has a different background of education, experience, age, etc. So that you can't "put yourself in the other fellow's place." (2) Many of us are inclined to distort facts so that we only see what we want to see. (3) Two-thirds of us feel inadequate in our jobs and try to hide our insecurity. We don't let others get through to us.

What's the answer?

Those who have studied this problem say we must become more aware of ourselves and our shortcomings to appreciate how we affect other people.

Elsewhere in this issue, you will find a chart entitled "Errors in Leadership" which shows how our actions tend to affect others.

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laundry and dry cleaning equipment

- CABINET DRYER
- DOUBLE SLEEVER
- GARMENT BAGGER
- LAUNDRY TUMBLERS
- OPEN END WASHER
- MANIFOLD VALVES
- DRY CLEANING TUMBLERS
- HANDKERCHIEF AND NAPKIN IRONERS
- FORM RITE COLLAR SHAPER AND IRONER

Originators

Better Built by Huebsch

World's Largest Manufacturer of Commercial Drying Tumblers

HUEBSCH originators...modern,



37-A LAUNDRY **TUMBLERS**

Steam or Gas Heated Standard or Coin-metered models in 3 sizes:

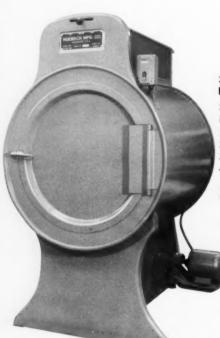
37" x 18" 37" x 24" 37" x 30"



HY-DRY LAUNDRY TUMBLER

Steam or Gas Heated, Standard or Coin-metered model in 1 size: 26" x 24"

Gas Heated model illustrated



 $42^{\prime\prime}$ x $42^{\prime\prime}$ with new large door illustrated

36" AND 42" LAUNDRY TUMBLERS

Steam or Gas Heated in 4 sizes:

36" x 18" 36" x 24" 36" x 30" 42" x 42"

42" size also available in unloading model



TWIN-CYLINDER LAUNDRY TUMBLER

Steam or Gas Heated in 1 size: Two 26" x 24" Cylinders

Steam Heated model illustrated

scientific laundry and dry cleaning equipment...



OPEN END WASHER

Cylinder: 37" Diameter x 18" Deep Rated Capacity: 50 pounds Automatic, Semi-Automatic or Manual Controls

Automatic model illustrated







FORM RITE COLLAR SHAPER AND IRONER

Two styles: Stand-up collar fold and flat collar fold



DOUBLE SLEEVER

Has notched edges and double taper shape

HUEBSCH originators... modern, scientific laundry and dry cleaning equipment...



DRY CLEANING TUMBLERS

Steam heated in 4 sizes:

36" x 18" 36" x 24" 36" x 30" 42" x 42"



CABINET DRYER

Capacity—about 16 dresses Height: 66" Width: 36" Depth: 28"







SAVE-O-SOLV TUMBLER

Solvent Recovery Type, Steam heated in 1 size: 42" x 24"



THERMOLOK 140 F. TUMBLER

Steam heated in 1 size: 36" x 30"



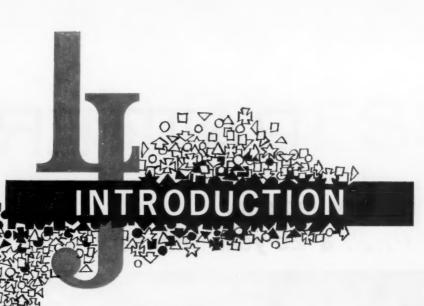
GARMENT BAGGER

for plastic or paper bags

For complete details on any item of HUEBSCH equipment see your local Huebsch representative.

HUEBSCH ORIGINATORS

WORLD'S LARGEST MANUFACTURER OF COMMERCIAL TUMBLER-DRYERS
MILWAUKEE 1, WISCONSIN



The laundry industry is now in the midst of a revolution. Each day brings new ideas, new methods, new developments and startling break-throughs which promise to alter and improve our sales, production and office procedures drastically.

At the same time, our customers and prospective customers are being exposed to a host of new products and services which ultimately aim at making professional laundering obsolete.

Consumer buying habits have changed. And increasing costs and the squeeze on profits only serve to complicate our future all the more. In all this welter of confusion, laundry managements are impelled to make decisions quickly, wisely and decisively or risk the chance of being left behind.

This year's Laundry Journal Guidebook attempts to analyze the current thinking and trends of the industry with the purpose of crystallizing its goals and objectives.

Top leaders in the field give their views on what it takes to stay ahead and case histories of successful plants suggest some of their methods.

We've borrowed ideas from family laundries, institutional, linen supply, industrial and diaper service plants, since we feel there is much the various segments of the field can learn from each other. To pinpoint the crossovers, we have coded each facet of the industry with an identifying symbol on the first page of text. And these are carried through the entire article. For example, all items marked with a star refer to industrial launderers; those with a triangle refer to diaper service, etc.

We have tried to indicate some of the most promising avenues for investigation and we offer them to you—not as final answers—but as PATTERNS FOR SUCCESS.

PATTERNS

The laundry industry
... a 25-year summary of progress*

Types of laundries		of plants 1959	Increase (decrease)	Sales 1959 (millions)
FAMILY LAUNDRIE (including comme and wholesale)		4,000	(2,500)	\$756
SELF-SERVICE (launderettes and coin-ops)	None	30,000	30,000	\$400
INSTITUTIONAL (hospital, school, hotel, government	t, etc.) 4,000	5,000	1,000	=
LINEN SUPPLY	700	1,400	700	\$450
INDUSTRIAL	50	700	650	\$250
DIAPER	25	400	375	\$ 50

^{*} Based on the Preliminary Area Report for the 1958 Census of Business and estimates made by the American Institute of Laundering, Linen Supply Association of America, Diaper Service Industry Association and others.

FOR SUCCESS

1. You must provide a needed service

THE VERY FACT that the professional laundry industry has continued to grow and prosper during the last 100-odd years provides ample testimony that its services are needed. And that there are wide opportunities in this industry for those who would be successful.

This growth and prosperity are a tribute to those who recognized the need and stepped in to develop the methods and means which make it the profitable business it is today.

It is true that progress has not been even in all the various facets of our industry. But there is more laundry being done outside the home today than at any other time in history. And the surface has barely been scratched.

But let's take a closer look at each segment of the industry and note the general trends that prevail at this time.

FAMILY laundries have the longest history but their number has dwindled during the past 25 years. There are many social and economic reasons for this which have been well publicized, not the least of which is the popularity of the home washer. Within the last 10 years total sales have increased 15 percent, prices have increased 35 to 40 percent, while physical volume has decreased 15 to 20 percent. This trend has caused many liquidations, consolidations and a tremendous amount of diversification. One authority, who recently analyzed the latter trend, found that as much as 40 to 50 percent of a plant's total sales may come from diversified services.

The family plants, however, are still getting the lion's share of the consumer's service dollar. INSTITUTIONAL laundries had their beginning around the time of the War Between the States, in the hotel field. Their growth has been fairly constant in schools, businesses, penal and governmental institutions, etc. In more recent years, the largest increases have been in new hospitals. While these are still being established in the smaller communities, some of the hospitals in the larger cities are consolidating their operations. Increasing costs, the shortage of personnel and the inroads made by linen suppliers have prompted this trend.

• THE LINEN SUPPLY field is just over 50 years old and is considered one of the most lucrative facets of the laundry industry. The field is highly organized and dominated by aggressive management in large self-sufficient chain operations.

The large operator owns several linen supply companies which do business under a variety of corporate names. Each specializes in a different branch, such as barber towel supply, hospital supply, home linen rental, etc. He makes his own garments, maintains them, and at the same time rents or sells garments to the trade.

The field is constantly on the watch for new opportunities and expects a 5 to 10 percent increase in sales this year.

INDUSTRIAL laundries can be considered as a branch of the linen supply field although they are a separate and distinct group in themselves. They work primarily with manufacturing industries, supplying uniforms, wiping cloths and other services. The members are well-organized, and highly imaginative in finding new markets for their services.

This small segment of the laundry industry recorded better than 100 percent gains in business during the past 10 years of their 30-year history. And their potential for growth seems almost inexhaustible at this time.

DIAPER SERVICE laundries got their start in the early 1930's and had their biggest break during the baby boom succeeding World War II. Their number was estimated at some 550 plants at one time, but the most recent Business Census records approximately 400 establishments. It takes a city of 100,000 population or better to support a diaper service, and the falling birth rate plus competition from within may have taken its toll. Forecasts of a teen-age population boom and earlier marriages in this decade augur well for a field that thrives on babies.

SELF-SERVICE laundries came into being at the close of the Second World War. They reached their peak about five years ago when their number was estimated at between 12,000 and 15,000 outlets. The self-service aspect went out before the peak was reached and these laundries were gradually obliged to add attendants. The mortality rate was high and the ones that held on eventually added more services to become, in effect, small power laundries. At this date, they probably number 8,000.

The new self-service laundries—the coin-ops—offering round-the-clock service seven days a week, took the laundry industry by storm. Within the past five years an estimated 25,000 of them opened their doors for business. Many professional laundrymen got on the coin-op bandwagon, but the field was largely dominated by

The measure of success—PROFIT

Usually profit is figured as a ratio—either against the amount invested in the business, or against the sales annually. Both measures are important ones.

In the past, and in most cases today, profit is measured as a percentage of invested capital. However, in our industry and as a trend in many industries, profit is usually measured as a percentage of revenues or sales. The big difference between these two ratios lies in the factor of "turnover," which means the ratio between investment and sales.

For example, a company has invested \$250,000, and makes a profit in dollars of \$25,000 against sales of \$500,000 per year. Figured against investment this means that the company is making 10 percent profit. Figured against sales, however, the company is only making 5 percent profit. In this case we say that the investment is "turning over" twice a year, 5 percent being made on each turnover. If sales can be raised to \$750,000 per year, still at a 5 percent profit on sales, the profit against investment will increase to 15 percent.

This explains how supermarkets, etc., can sell at a very small profit per item. If they only make ½ percent on each item sold, but they turn over their capital 20 times or more a year, they will make 10 percent or better on their investment.

Why use two methods of computing profit ratios, then?

Profit percentage of sales is much easier to figure from week to week and month to month than profit as a percentage of investment. On the other hand, the worth of business is more or less determined by the percentage of profit against investment, so both methods are necessary.—California Laundry & Linen Supply Association

outside investors in search of quick returns with little personal effort.

The field continues to grow but the supply of investors seems to be diminishing. This and other reasons (restrictive legislation, increased competition, maintenance costs, etc.) may in time bring the coin-op field into the hands of professional laundrymen.

There is a great deal of overlapping between the various segments of the industry, so at times it's difficult to distinguish between them. Linen supply plants are engaged in family, industrial and hospital work; family plants are in linens, etc. Historically, the industry has been handicapped by the false theory that there was only so much business to be had. Instead of concentrating on expanding the market, the various managements set out to undo each other with the result that the industry has not gone ahead as fast as it might otherwise. More and more, laundrymen are coming to realize that competition is good since it creates newer, broader markets.

WHAT'S AHEAD

The prospects for the laundry industry's future look bright indeed.

Population is on the increase, family units are getting larger, and the average citizen has more to spend.

More married women are returning to work in new industries and businesses that continue to multiply.

There are more retired persons, more people in hospitals, more people moving into new homes, developing new kinds of markets and market areas.

The potential for a tremendously successful laundry industry is there. But it isn't guaranteed. It won't come naturally if we just stand and wait. Our industry must learn how to capitalize on these trends.

In the background are some powerful forces which are actively working to make professional laundering obsolete. There's the threat of wash-and-wear, disposable garments and other developments being introduced to the public from outside the industry.

How we meet the challenge from this type of competition will also have a bearing on our industry's future.

MEANING OF SUCCESS

"Success" means many things to many people. And in order to succeed we must first arrive at a satisfactory definition of our goal.

From the consumer's viewpoint, a business is successful if it gives him what he wants. What does he want? Here are some of the consumer's basic desires:

Convenience	Variety
Value	Up-to-
Friendliness	dateness
Dependability	Cleanliness
Quality	Uniformity

How you meet these requirements in the type of service you offer will determine how successful you'll be.

The employees of a business also have their own ideas about what makes a good organization. And this criterion offers still another measure of success. What do employees want? Psychological studies reveal these wants among women factory workers in order of their importance:

- 1. Steady work
- 2. Comfortable working conditions
- 3. Good working companions
- 4. Good boss
- 5. Opportunity for advancement
- 6. High pay
- 7. Opportunity to use your ideas
- 8. Opportunity to learn a job
- 9. Good hours
- 10. Easy work

Many managements tend to overlook these desires, forgetting that the employee is also a consumer. Furthermore, the employee is in a position to cast daily judgments on your operation which are passed on to his own circle of friends—who are also your potential customers. You can't really be successful without their support.

Some people judge success in terms of size. But it doesn't matter how many trucks, stores and people you have working for you since the biggest plants are not always the most successful.

Your Profit and Loss statement is, of course, your final measure of success

A successful plant is one that has weathered the ups and downs of the business cycle and continues to show more profit than losses. The successful plant keeps its costs in line, it sells aggressively, it is always expanding, changing, trying new things and ideas.

The pattern for success this year may be obsolete the next. You've got to provide a needed service and keep working constantly to improve it.

2. Look for ways

to improve your present service

want and tries to give it to them.

NOTHING REMAINS static for very long. It either gets better or it gets worse. The only thing you can be certain of is the inevitability of change.

You cannot go on doing what you are doing today and hope it will work out all right tomorrow. You've got to keep moving ahead just to stand still. Rising taxes, climbing labor costs and all the general increases in the cost of doing business do not permit complacency. It is imperative for every laundry management to plan for growth

In the succeeding chapters we will point out some of the ways you might improve your present service, some likely areas for expansion and how to set your plant up to accomplish these ends.

We will touch on some areas in a general way. But we'll also try to give specific examples illustrating what other progressive laundry managements have done already. So much for our format. Now let's take a look and see what can be done to improve the service we now offer.

There are three basic ways in which any product or service may be improved: it can either be made better, cheaper or faster. Such changes very often overlap and embrace quality, appearance, price, convenience, etc.—anything that has to do with making the service or product more merchandisable.

CAN YOU MAKE IT BETTER?

Standard Coat, Apron and Linen Service, Inc., Brooklyn, New York, made a very simple change which improved customer acceptance of its rental services. Its routemen spend approximately one-half to three-quarters of an hour a day "making up" their own routes. The work is checked out by an inspector in supermarket fashion as each man leaves the make-up area.

Girls used to make up in the past, but they didn't seem to have the customers' best interest at heart. The routeman knows what his customers Test piece bundles are used by most laundries to measure the effectiveness of their washroom formulas and procedures. But you wouldn't expect a "blue collar" laundry to bother. Nevertheless, many industrial laundries do run washroom tests on uniforms. And their national organi-

zation is currently working on a similar program for wiping towels. Not only to prolong useful life but to give their customers the cleanest towels possible.

The same group is also looking for a germicidal treatment to eliminate perspiration odor and tensile strength loss caused by bacteria.

Sonnier's Hygenic Diaper Service, Mobile, Alabama, distributes 1,200 photostatic copies of its monthly test reports to customers and prospects with this sentence stamped across the face: "This report is your proof that our diapers are 100% safe."

Although they always read the same, the reports are mailed regularly as a reminder, building up an impression of consistent safety over a long period. What if a bad report showed up? Management feels that mailing these reports out keeps them on their toes.

McCord's Laundry, Easton, Maryland, was unhappy with its sock finishing. The conventional forms left the socks stiff, boardy, and often stretched out of shape, since there weren't enough forms to handle all the various sizes.

By adopting a new method, the firm increased its sock production 30 percent. And got a soft, lintfree, unstretched sock which reduced claims 25 percent in this department.

The socks are washed in nets by lot. After extraction, the operator dumps the net and clips the socks together at the toes with a 2½-inch-long battery clip along with the identification tape.

One clip holds three pairs of socks. If there are more in a net, the operator uses a set of two clips on a metal

The sock lot is then placed in a twin-cylinder tumbler with three or four old nylon nets. The nets keep the socks from tangling, They also generate static electricity which picks up the lint. While the socks are given a 10-minute run in the tumbler, the operator prepares the next lot.

The new system also provides a balance which enables the plant to use one operator for both sock and handkerchief production.

Many laundries render a much appreciated service to their customers by using a button tag to identify those shirts having French cuffs. Others return shirts on hangers on request. These are just some of the small things that can be done to improve service.

At New Britain (Connecticut)
General Hospital, the laundry chute
had become a repository for all manner of things besides soiled linen.
These foreign objects were a nuisance
and always a potential hazard to linen,
machinery and personnel.

To call attention to this bad practice, the laundry manager started to collect the miscellaneous items that found their way down the chute. In six weeks time, he collected 80 different items from surgical instruments and bedpans to false teeth and watches. Impressively enough, the hospital equipment collected during this period was valued at almost \$1,000.

To point up the costliness of such carelessness, the articles were itemized and hung on a pegboard and displayed at a meeting for administrative nurses. Later, the display was set up just outside the hospital cafeteria to impress the problem on the staff in general.

Such practices cannot be stopped overnight with one display, but this incident serves to point out how a laundry manager can improve his service to an institution.

Hospital administrators would welcome any workable idea to reduce linen thefts by patients—a practice which costs them thousands of dol-

Standards of measurement in the laundry

As developed by the Bureau of Laundry and Dry Cleaning Standards

I. PACKAGING:

Wrapped bundles should be neatly wrapped with an attractive good-grade paper. Avoid clash of color between sealing tape and wrapping paper. Bundle should be correctly stacked to prevent crimping over of edges of garments or linens.

Shirts should be cellophanewrapped and boxed. Boxes should be chosen from the standpoint of attractiveness and durability.

Outer wearing apparel such as sport shirts, dresses, men's wash pants, blouses, etc., should be returned on hangers. Hanger should have a cover except in the case of wash pants. For small size garments such as boy's shirts, children's dresses, etc., the juvenile type hanger should be used.

H. CLEANLINGES

Good washing procedures are basic. The plant should use AIL or similar washroom test and analysis service to keep washroom formula in line. Provision must be made for correct processing of "special handling" pieces. For example, one should be able to handle woolen sox without shrinking them; dark-colored linens and garments without crocking the colors or having the items full of lint; and fugitive or loose-color items without resultant contact stains on other items.

III. FINISHING:

In this field the Bureau has established very definite standards—based on the desires and approval of the customer (the housewife). A general guide is this: When the housewife pays for a finish service she has a right to expect that all items under that service be returned to her finished, ready to use or wear without home touch-up. Specified standards are as follows:

(a) Shirts or blouses with French

cuffs should be returned with cuffs folded or creased over, and clipped or fastened.

(b) Oxford cloth and stay-type collar shirts are "soft" shirts and should be returned without starch unless there is a specified request to have them starched.

(c) Sport shirts should be returned on hangers—wrinklefree and foldfree.

(d) Housedresses and ladies' blouses should measure up to the same requirement: wrinklefree; ready to wear without requiring home touchup. Cotton fabrics should have a light starch or sizing unless otherwise requested.

(e) Men's wash pants should be returned on a hanger. Liey should not be harsh and stiff from overly damp, double-lay pressing.

(f) Sox should be paired—and should be neatly piled in the bundle—not thrown in haphazardly. They should never be returned inside out. This same rule of "right side out" should also be observed in the case of T shirts and athletic undershirts—which items are frequently returned inside out.

(e) Handkerchiefs—napkins. Edges should be squared on these items. The use of half folds instead of quarter folds would eliminate many objectionable folding creases or lines and would make it that much easier to square up edges. All monograms should appear on the outside.

(h) Doilies—bureau scarfs. These items generally should be lightly starched or sized. Avoid every fold you can possibly eliminate. The freer these items are of folding wrinkles, the more acceptable they will be.

(1) Table linens. The housewife very definitely wants squared edges and corners and as few folds as possible. Sizing is recommended. "Dog ears" in this classification are intolerable.

(1) Bed linens. The wide hem of sheets should be faultlessly iroued and the selvage edges should be straight. Pillowcases should be ironed wrinklefree and folded carefully. Any monogrammed bed or table linen should have the monogram touched up if necessary—and certainly should have the monogram folded on the outside.

(k) Missing buttons. A completely finished laundry bundle belies its name if wearing apparel is retuned with buttons missing. Wherever there is a buttonhole there should be a button. This applies to shirts, pajamas, blouses, housedresses, wash pants, etc. Common sense dictates that a fancy colored button (missing from among a set of buttons) should not be replaced with an ordinary white button. The minimum expectancy in such an instance is at least a match in color. Many plants have adopted a policy of replacing an entire set of buttons when a proper match in color, shape or design cannot be made. The Bureau does not necessarily recommend such does not necessarily recommend such a policy—unless the plant knows that a button has been lost or damaged during processing of the particular garment. In such an event the replacement of the entire set, as close to the original color and shape as possible, is called for. When (and if) a new set of buttons is put on a gar-ment it is advisable that the remainder of the original set be returned to the customer in an envelope with a printed message to this effect . . . "A button (or buttons) was missing. Since we could not match it, we have put on a complete new set for you with no extra charge, of course. We are returning to you all the original buttons we received. We hope this action meets with your approval."

(1) Starch. To starch or not to starch—that is the question! Consumer surveys enable us to state the following generalizations: In the absence of specified instructions to the contrary, starch broadcloth shirts, nurses' and waitresses' uniforms with a medium degree of stiffness. Starch aprons, housedresses and blouses lightly. A light sizing will improve the appearance and finish of bed and table linens. Do not overstarch, or adopt a policy of heavy starch. The overwhelming majority of consumers do not approve of it and the few who do desire a real heavy degree of starch can be accommodated on an individual basis. Oxford cloth and staytype shirts with French cuffs are normally considered "soft" wear and should not be starched unless the customer specifically requests it.

lars each year. One hospital in New York loses facecloths at the rate of 1,000 per month.

MORE CONVENIENT?

Swift's found it expedient to keep its plant call office open 18 hours a day—from 6:00 a.m. to midnight—in Cleveland, Ohio, where workers operated on a three-shift schedule in local factories. The convenience paid off. Some 60 percent of the firm's business was transacted after 4:00 p.m.

Industrial launderers are looking for a foolproof wiping towel dispenser to make this service more convenient for their customers. Under the present system, an employee has to go to the tool crib to get a clean wiping towel issued to him. What the industrial launderers are looking for is a cabinet which accepts soiled cloths and issues a clean one automatically. Present dispensers cannot tell the difference between a soiled towel and a wadded piece of paper or other substitutes which are stuffed into them.

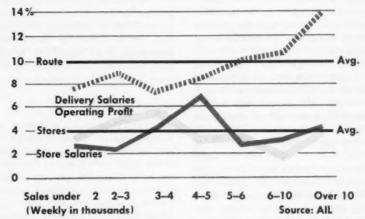
The Ripon Laundry, Ripon, Wisconsin, offers an overnight service on hard-to-spare winter clothes, such as children's snow suits, men's and ladies' overcoats, etc. Increased business attests to the fact that customers appreciate this convenience.

Routes vs. stores: Linen suppliers, industrial and diaper laundries rely exclusively on route delivery in serving their patrons. Family laundry operators, disturbed by constantly increasing distribution costs, are inclined to look at stores as the answer to their problem. But invariably they wind up having both since stores help routes and vice versa.

The management of Lord Baltimore Laundry, Baltimore, Maryland, feels that automobiles have hurt route business because congested areas closer to the main plant are difficult to service. It believes in dropping close-in routes and paying more attention to the more productive one in the suburbs.

Management also believes in breaking down some routes to provide better and faster service and to deliver more frequently than once a week where possible. It feels that laundries should operate primarily for the benefit of the customer and not just for

Sales and distribution expense



Delivery salaries and commissions tend to increase more or less steadily as plant volume grows. But store salaries drop sharply when plant exceeds \$5,000 weekly volume

The big difference: In comparing the most profitable with the least profitable operations, the most significant difference appears in their sales and distribution expense. Particularly under the headings of Store and Delivery salaries.

Note here that the most profitable \$3,000 to \$4,000 group spent considerably less than the national average on routes and more than the national average on stores. But the reverse is true for the least profitable operations.

Since routes are the backbone of the laundry business it's inevitable that delivery expenses increase as the plant grows larger. But it's disturbing to note that these costs get out of hand. Take the plants doing better than \$10,000 a week. This group is noticeably efficient "inside" the plant. Their production costs were the lowest of any group, and their office and administrative expenses were also below national averages. But they fell down "outside" the plant. Their delivery expenses were the highest of any group (13.95).

the convenience of the plant. It opposes the suspension of route operations on Saturdays, which are the best days for both route and store business.

Q & S Laundry, Bladensburg, Maryland, finds that routes need closer supervision than stores. It maintains one supervisor to every eight stores, but one supervisor to every four routes. The lesser degree of contact with or control over stores is in direct contrast with the dynamic selling that is necessary for route operation. Because of the nature of store and route operation, each requires tailor-made promotion, selling aids and direction. Management believes, however, that stores and routes help each other—even in the very same area.

The conclusion, therefore, is that

both are necessary if our plants are to be of maximum convenience to our patrons.

The Blakely Laundry Company, Trenton, New Jersey, services more than 90 percent of its customers with a fleet of 38 trucks and finds that a liberalized credit policy has helped to keep its route sales growing.

Today 20 percent of the firm's customers use charge accounts. These make up 30 percent of the company's gross sales. All of Blakely's business at Princeton University and 80 percent of its volume in the college town of Princeton itself during school term is on a charge basis.

"We bill once a month, just like a small department store," says Paul Plough, Jr. "Our charge business is growing so fast that soon we plan to begin 'cycle billing' like the big stores."

Blakely processes 8 or 10 new charge accounts every week. Applications are submitted at the discretion of route salesmen, and the company turned down only one application in six months.

Blakely's experience has proved that charge customers are easy to hold and, if carefully screened, are a very good risk. Mr. Plough says he has practically no over-all collection problems.

The same conditions prevail at Blakely's branch drop store on Long Beach Island which serves about eight summer communities. He recalls that Blakely has suffered only one significant loss on a charge-account customer in three years. "This was a customer whose application I accepted myself," he says. "It was done on a personal basis without our usual credit check."

Charge-account applications submitted by Blakely route salesmen contain answers to the following questions: Where does the applicant work? At which bank does he maintain a checking account? What other charge accounts does he have? Once the company accepts a charge account, the route salesman is not liable for his customer's payments.

Blakely route salesmen may also extend credit to their customers without a formal investigation. A company clerk bills these special customers for the route salesmen.

"Generally speaking, our route salesmen credit plan usually causes us a little more trouble than our regular charge accounts," Mr. Plough says. "But in neither case are collection problems significant.

"The principal drawback to chargeaccount business is the fact that route salesmen seldom see these customers once they are signed up. They do not have much of an opportunity to sell them extra services, But the advantages far offset the disadvantages."

IS THE PRICE RIGHT?

Several years ago the Bureau of Laundry and Dry Cleaning Standards sent out identical test bundles to 10 of the best known plants in the country for finishing. On their return, the Bureau noted a wide spread in pricing practices. Prices for the same 20-pound bundle ranged from a low of \$4.63 to as high as \$13.08.

What is the right price for any service? This is a thorny question that has never been resolved to everyone's satisfaction. And the chances are that it never will be resolved.

. . .

Price vs. locality: In areas of heavy competition the general trend is to cut price. Where it's only moderate, the prices are fairly even and stable. In one-plant towns, services are often priced according to what the traffic will bear.

Price vs. costs: The logical approach, of course, is to figure your costs, add a reasonable profit and let these determine price. But then you would expect a modern, efficiently managed plant to have lower prices than an archaic plant not so well managed.

Take two evenly matched plants and managements and prices can still vary because of the "mix" of the work, the size of the bundle or stops, and a host of other variable factors that alter costs.

Anyway, few plants know what their real costs are. M. R. Weiser & Company, which conducted some cost analysis studies for the linen supply industry, found that linen suppliers were losing money on about half the items processed and making it up on others. (Generally speaking, sheets and pillowcases were found to be unprofitable, while wearing apparel was a money maker.)

This company also showed that it was impossible to make valid cost comparisons between plants since each is a unique operation in itself. And production costs on similar items could vary as much as 2 to 1 between the highest and lowest plants. Price vs. quality: There are two schools of thought on this subject. One regards low prices as a valuable merchandising tool which has great appeal to the mass audience. The other believes people want quality workmanship for their personal wear and are willing to pay a fair price for it

Actually, few laundries have made serious attempts to invade the quality market since there are few cities in which the market would be large enough to permit a sizable plant to concentrate on near-perfect quality.

The DeLuxe Laundry and Cleaning Service plant of Kansas City, Missouri, is designed to offer fast service at prices set to appeal to the mass public. As management sees it, consumer acceptance has changed in recent years.

"Class distinction has practically disappeared. Millionaires live next door to the office clerk who makes \$5,000 a year. The standard of living is casual, suburban. Everyone has a television set, an automobile and a host of electrical appliances. Everyone lives on a budget and is price-conscious about everything except these 'necessities' of modern living. Under these circumstances, the plant operator out to make a profit cannot put quality of service ahead of everything else."

What the public wants, says De-Luxe management, is fast service at a reasonable price. It also believes

5 good pricing practices

- 1. Know your costs
- 2. Don't enter into price agreements with your competitors
- 3. Don't cut price to meet competition
- Don't be afraid to raise prices to get a better cost-profit ratio
- 5. Don't advertise price increases



J. ROBERT DOBSON, President, National Association of Institutional Laundry Managers Director of Laundries, Department of Hospitals City of New York

"Have the right attitude toward your job and train yourself for advancement. Provide regular reports to your superior on costs and production. You can't operate successfully without them."

that a high-profit, high-volume operation cannot concentrate on quality and adopt production-line methods at the same time. For quality slows production and increases costs.

The DeLuxe formula for success aims at minimum standards which will still produce revenue. It concentrates on getting the greatest per-operator production possible that will meet these minimums.

Instead of bothering with minor repairs, elaborate hand pressing and brushing, DeLuxe does only what is necessary to maintain high production.

The management is fully aware of the fact that most plants will not accept this formula, but it points to its own volume which has tripled in five years.

The bulk of DeLuxe's business is attracted to the plant by its "Weekly Specials." These specials are never higher than 79 cents for a plain suit or dress and they go as low as 29 cents on half-piece items, such as sweaters and skirts. DeLuxe spends 9 percent of sales on advertising which goes primarily into newspapers.

Dupont Laundry in Washington, D. C., regards the value of quality so highly that it pays out 10 to 12 percent of payroll just to insure having the work done right. For many years the management of this progressive and highly successful plant has indoctrinated its employees with the philosophy that customer satisfaction goes hand in hand with job security.

It starts in the marking department and follows right through to the wrapout station where even a heavier stock (40-pound kraft) paper has been adopted to assure the bundles being returned in good shape.

In the marking department, the employees receive not only a production incentive but additional incentives for marking and listing accuracy. (The best girls earn 6 to 7 percent more for maintaining a standard of accuracy on the listing operation alone.)

Listing Accuracy standards were worked out after a six-week precheck based on 1,000 pounds of work. Arbitrarily, management deducted 2 percent for each error, using a base of 100 percent for perfect listing. This method of figuring gives the plant some leeway, involves all the marking operators and yet leaves room to recognize individual effort.

Bonus scale for Listing Accuracy is as follows:

95%	0			0					2-cent	increase
96%		*		*	*	×	*	*	3-cent	increase
97%			*		*				5-cent	increase
98%									7-cent	increase

The markers usually earn the 3-cent increase and often the 5-cent. Similar records are also kept in the assembly department.

The number of errors recorded varies from day to day with no set pattern discernible. It goes along satisfactorily for a while and then there are "bad spells." The value of this elaborate record keeping, however, lies in the fact that it helps to pinpoint the weak spots as they occur and immediate measures can be taken to correct them. This is just one of the many steps management takes to insure quality service.

Dupont's is one of the relatively few plants in the country that goes all out to give quality service across the board. Others find it advantageous to offer a special service (sometimes known as "DeLuxe" or "Orchid" service) for those who criticize standard work and are willing to pay for the best.

This would seem to be the best solution in light of the criticism that with more automatic finishing equipment and fewer interested employees, the quality of laundry is not as good as it used to be.

Still another element of the industry says that neither quality nor price is quite as important as service. It believes getting the work out when promised is the most important factor for success. In a sense, however, dependability is related to quality.

Price vs. public: Many market observers note that the public in general is price-conscious but not price-knowledgeable. This is to say that people like to save money, but they don't know their prices.

A large, well-known laundry in the East recently concluded a study which asked homemakers, among other questions, how much they paid for drycleaning a suit or dress. Oddly enough, the company found that its own base price for a plain dress was lower than the price those surveyed thought they were paying. And men's suit estimates were higher.

This immediately suggested to management that its base rate on dresses should be raised and suit prices lowered.

Milbren's new plant in Charleston, South Carolina, offers another example of price-consciousness vs. knowledgeability. This firm always had a good reputation and above-average prices.

When the firm went into new quarters, however, management decided to give itself a new image. It adopted a Scottish theme for itself. The logo carries a Scot's head, the garment bags are plaid, they offer "Tartan" service, etc. Everything implies thriftiness. Business increased even though prices are the same.

Our customers are very often confused because they do not understand our pricing. Many attempts have been made in the family laundry field to offer a one-price service like the pillowcase bundle. A few have tried to set up flat-rate prices for a family of two, three and four members. But these ideas never quite get off the ground.

 Linen suppliers vary their pricing policies with a little more luck. For example, the proprietor of a filling station may pay a flat minimum of so much a week for continuous towel service. This he understands. At a large factory, where usage fluctuates, the customer pays for what is used. At a college or university, where there are budgets to contend with, the price may be quoted at so much per pupil per week. The administrator appreciates this since it enables him to know exactly what the service will cost in a given year.

● The Amarillo (Texas) Laundry, after serving a hospital account for a number of years, gathered enough experience to offer its services on a yearly contract basis for one set price.

After carefully figuring out the average value of the account, management deducted 10 percent to make the idea more attractive.

The plant agreed to handle all the hospital's textiles, including sheets, towels, blankets, uniforms, etc. Pick-up-and-deliveries were made three times a day.

About one-third of the work consisted of sheets and two-thirds in small pieces and gowns. All together, this particular 250-bed hospital provided the plant with about 3,500 pounds of work per day.

The plant estimated its income on the flat-rate basis of about 4 cents a pound and about 30 cents per garment. This may not seem like much but there were other savings and advantages which made the plan attractive.

For one thing, the work coming in was already classified by the hospital. Second, since the work was already contracted for on a flat-rate basis, the standard weighing, counting and pricing procedures were dispensed with. This meant that work could be processed faster and at lower cost. And last, there was no bookkeeping necessary aside from mailing out a monthly statement, and this was made out for the same amount each month.

Periodic checks are made two or three times a year to see that the flat rate is in line.

This arrangement is not original but the hospital is pleased with the faster service afforded it and can point to substantial savings the plan has brought about in cost per patient day.

The above example points out still another factor which laundry men as a whole very often fail to consider. It doesn't matter what we as plant management think of our prices. It's the customer that counts. And he must feel he's getting value for whatever amount he spends.

FASTER SERVICE

Most plants offer fast service in their plants, but what about routes?

White Swan Laundry, Mobile Alabama, found that faster route service helped to even out the weekly work load in its plant. So both customers and management shared the benefits.

Since the bulk of the plant's volume was brought in by its seven routes, management set limits on the amount of work route salesmen could bring in each day.

Knowing the total volume received each week, it was a relatively simple matter to have the men bring in only one-fifth of this total each day. In this way, the production department would know pretty well where it stood and the work could be processed more efficiently—at an even pace throughout the entire week.

When the change was decided upon, the plant tried to get the work back before it was normally due. Then the customer was informed that White Swan was establishing a faster service for the convenience of all its patrons. Instead of the old three-day service, the customer could have her laundry and drycleaning back the very next day—at no extra charge. All she had to do to take advantage of this new service was go along with the revised schedule. The pickup would be made in the morning and delivered the afternoon of the following day.

The regular Monday-morning route customer was unaffected by the change except that she got her bundle back Tuesday afternoon instead of Thursday.

Where the route salesman normally made his pickup Monday afternoon, the customer would have to be persuaded to wait until Tuesday morning for his call. Usually, the customer would not object since it still meant that she would get her bundle back faster.

Under no circumstances was the customer forced to accept a change. But almost all went along with it when White Swan proved it could make good its claim for faster service.

The net results of the change to

faster route and store service were impressive. Laundry sales increased by 37 percent that year and drycleaning sales went up 70 percent.

Many plants cannot give faster route service because of teamster contracts and other obstacles. But no need to be discouraged.

John Carruthers of John Carruthers & Company, Boston, Massachusetts, recently made these observations:

"It does not necessarily follow that every laundry must suit every possible customer's convenience. To do so would involve excessively high cost of service, which might make the entire operation unprofitable. . . .

"For example, nearly all the family laundries in one of the Eastern metropolitan areas (although on a seven-day delivery schedule during and after World War II) have concentrated on drycleaning sales during recent years, allowing their route schedules to be broken down in order to give quick service on drycleaning and laundry work when requested.

"Two of the leading laundries decided, as a matter of policy, to stick to their seven-day schedule and only accept drycleaning on regular route schedules. The results: a very slow growth in drycleaning—much less than their competitors—but a very much greater growth in laundry service than any of the other plants in the area. If known, the profits of these two plants (which were in no way connected with each other) would be the envy of any of their competitors."

OTHER POSSIBILITIES

This by no means exhausts all the possibilities for improving present plant services. You can speed up and make your services more attractive through all manner of new equipment, machinery, supplies, methods and incentives.

You can do it by providing such things as off-the-street parking facilities for the convenience of your drive-in patrons, carhops, drive-up windows, charge plates, mechanized conveyors, etc. On the routes by using two-way radios, more economical trucks, route splitting, adding a telephone answering service for after-hours calls, etc.

The ideas are endless. All you have to do is flip through the pages of your trade magazines to find them.

PATTERNS FOR SUCCESS

3. Offer new services . . .

Drycleaning . . . Layette . . . Linen supply . .

Rug cleaning . . . Shoe repair . . . Shirts . . .

College business . . . Dust control . . . Glove repair . .

SURVEYS made by the Armour Research Foundation indicate family laundries have sufficient equipment in their plants today to handle, on the average, 20 percent more volume without increasing their work week.

Where machines are not working at or near capacity, good money is being lost. The only way to correct this situation is to get more volume.

After you have done everything possible to improve your present services, the next step is to add new services. In this way, you may be able to sell more to your present customers. And the new service may attract new customers. We say may because the mere act of diversifying offers no guarantee of success.

Many plants have already diversified. In fact, the ones that haven't are a distinct minority. But let's take a closer look at this trend as it applies to the various industry segments.

FAMILY PLANTS

According to tabulations made at the last American Institute of Laundering convention in Chicago, at least 8 out of 10 plants are now offering some additional service to their customers. And one-third the membership expects to add new services this year.

The most popular forms of diversification for family plants are drycleaning and storage, commercial and wholesale laundering, coin-ops, linen supply and rug cleaning. DRYCLEANING: Family plants have been offering drycleaning to their customers since Gay Nineties days as a service complementary to laundry. And many students of the field feel they have had a stabilizing effect on the drycleaning industry itself since professional launderers tend to be more cost-conscious than the average drycleaner.

How much drycleaning should a laundry handle?

Bob Place, executive secretary for the California Laundry & Linen Supply Association, says there is no positive answer. "We know true laundry plants which run as high as 62.46 percent drycleaning during certain Continued on page 66

. . . BUT watch out for these diversification dangers

Elmer Strandberg, assistant director, Department of Research and Development, American Institute of Laundering, recently made these observations in answer to the question "Can we overdiversify?"

. . .

Diversification calls for logic, leadership and long-range planning. There must be a good reason behind the addition of a new service, not just that someone else is doing it.

Your existing equipment, knowhow and organization must be used, for some reasonable outlook of success. I think it should be in the textile service industry or something that directly affects this industry. This is quite a wide enough field as it is.

Every laundry, to succeed and grow, must be constantly improving its services and methods of operation. Rigidity in business is synonymous with round-the-corner bankruptcy. But there are many in the industry who say we have become diversification-happy in the past few years. They say we have a lot to do in our field about cost control, quality control and sales before we look for new fields to conquer. Let's consider some problems of overdiversification:

Diversification calls for extension of management, which could be

spread too thin already. A laundry should be equipped management-wise to handle a new service or one of two things will happen: Either management will water down its attention to the "bread-and-butter" part of its business. Or the new service will be neglected and allowed to deteriorate.

Unless a new service can have its share of management control, it shouldn't be undertaken. I talked to a laundryman who was very enthusiastic about mop rental. But he said the route salesmen were allowing the mops to pile up with the customers. Here, to me, is the case of a new Continued on page 66

service that doesn't have its share of management.

2.

Sidelines, especially to start them, take promotion and effort to get the necessary volume to make them profitable. This involves heavy promotion expense, especially if it is something new. You can't start a new service and expect it to go by itself or from the sudden spurt that your route salesmen will give it the first two or three weeks when it is new. You must have the organization and desire to sell and keep selling, until you get the needed volume. One person should be assigned to this job full-time.

Sidelines cost money—generally a lot more than originally anticipated. You must consider the return on investment. It may be that you would be better off to invest in a new shirt unit. For example, the rental supply business takes \$20 to \$30 or more investment for every dollar of sales. Your return will be slow. One laundryowner told me it had cost him twice as much to start a particular phase of the rental business as he had planned. And when you get into the

competition with experts. They have a lot of money invested in the business and to protect that investment they could become very stiff competition,

supply business, you are running into

With the sideline there is a danger that the sales force and management will push the new service at the expense of the bread-and-butter business. Take a laundry going into drycleaning: All of a sudden the drycleaning sales will go up \$1,500. But laundry sales may drop \$1,000. The sales force says, "Our sales have increased by \$500." They do not say, "Our laundry sales are off \$1,000."

5.

Local conditions and competition have a marked effect on a new service. Perhaps a service has been neglected. If it's a needed service, then the new sideline will be off to a good start. But if there are two or three competitors who are filling this need, the going will be rough indeed.

months of the year, although they are thought of as laundry plants. A survey of laundries running between \$5,000 and \$10,000 per week total sales shows drycleaning sales percentages from a low of 13½ percent to a high of 37 percent, with average running close to one-third of its volume in drycleaning."

STORAGE: Laundries' interest in storage was revived considerably with the advent of box storage plans for winter woolens a half dozen years ago. This service was, and is, a natural adjunct to a laundry's drycleaning department. Prior to this the emphasis was primarily on fur storage.

Here are some of the general conclusions laundrymen have made in regard to box storage programs:

- Start promotions as early as possible.
- Salesmen should be offered some incentive to pick up boxes at customers' homes.
- * It's unnecessary to have the customer declare value; it only seems to confuse the issue.
- Mark in the contents of the box as soon as possible after receipt.
- Clean and finish this work during July and August.
- · Offer customers a deferred-payent plan.

COMMERCIAL and wholesale business continues to grow and represents from 10 to 20 percent of some laundries' total sales, depending on the season of the year.

Adelman Launderers-Drycleaners, Milwaukee, Wisconsin, moved into the commercial field two years ago. Since the management didn't believe in mixing family and commercial work, the latter is handled as a separate operation and processed by a night shift working from 5:00 to 10:00 p.m. There were no particular difficulties in recruiting a new crew; they were ready to operate after a 3½-month break-in period.

The second shift gives the company a good deal of flexibility in servicing commercial accounts. And it can be used to speed schedules on regular family work during peak periods.

The Adelman operation at that time included 29 drive-ins and 53 routes. Albert B. Adelman believes that more and more plants will be obliged to put on a second shift in order to make full use of available

equipment and protect their investment.

LINEN SUPPLY: Approximately one out of five family plants have gone into the linen supply field with varying degrees of success.

The management of National Laundry and Linen Supply Company, Pocatello, Idaho, lists these conditions as prerequisites for successful diversification in this field:

 The service must fulfil a genuine need in the community.

 It should be convenient for its customers—in close proximity.

- It should be separate from other departments and services with its own sales staff.
- Flatwork should be identified in bulk, not individually, while wearing apparel should have "personalized" identification.
- Records should be kept and heavy linen losers and abusers dropped.
- It cannot be successful if treated as just another sideline.

RUG CLEANING: Approximately 20 percent of the nation's family plants offer rug cleaning service and this business continues to increase. A few plants here and there are currently experimenting with rental rug cleaning machines for do-it-yourselfers.

Little Falls Laundry of Little Falls, New Jersey, started doing rug cleaning 30 years ago and today has one of the biggest and best operations in the rug cleaning industry, with between \$100,000 and \$200,000 worth of specialized equipment.

A few plants here and there are currently experimenting with portable units which they rent to do-it-your-selters at so much a day plus necessary supplies. But the fastest growing segment of the rug cleaning industry is on-location cleaning in customer homes.

These are the major areas of diversification among family plants, although it by no means exhausts the list of possibilities. Here are a few more that are of current interest to many plantowners:

UNIFORM RENTAL: It is generally recommended that this service be set up separate and apart from regular family laundry operations. But a few plants have integrated it at least in part. A minimum of 1,500 square feet is required, however, for storage, repair, assembly and shipping.

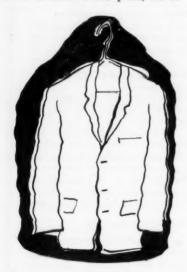
Model Laundry-Cleaners, Memphis, Tennessee, went into the rental uniform business five years ago. And as Jack Scharff admitted at the last AIL show, "We're still learning about it."

Management's objectives were fourfold: (1) to increase plant tonnage, (2) to stabilize daily tonnage, (3) to hedge against a decline in the family laundry business, and (4) to make a profit.

While the first three objectives have been realized to some degree, there is some question as to how profitable it may be.

"Frankly," says Mr. Scharff, "the only time that our books have shown a black figure is when we stopped growing for a short period. This, I think, is inherent in the uniform rental industry. And, of course, it is mainly in the manner of keeping books.

"We charge off our uniforms the day they go into service. This produces a heavy expense on the front end and it is the amortization of these uniforms while in service that makes a profit a long time off in a growing uniform rental service. Of course, in order to achieve this profit, an ex-



tremely tight control in the replacing of uniforms is essential." (Model's replacement cost runs around 20 percent; new accounts, another 23 percent.)

It also requires a full-time manager, a separate sales organization and some specialized finishing equipment as volume grows. Exclusive of any production equipment, trucks or any other equipment whatever, Model management figures it takes \$12,000 to \$15,000 capital to produce \$1,000 weekly volume.

SHIRT SALES: The latest shirt selling plans were introduced to the industry about 18 months ago. Basically, these plans involve the sale of white cotton shirts through laundry outlets at reduced prices with a one-year guarantee if they are sent to a professional laundry.

The shirts belong to the customer. The laundry makes a profit in selling the shirt, hopes to win the buyer as a regular customer, and regards this as a means of combatting the washand-wear trend.

Some laundrymen have shied away from these plans for fear of antagonizing local retail merchants. But more and more are adopting the attitude that these other merchants have shown no qualms about selling home washing machines and wash-and-wear as a means of "saving on laundry bills." They feel now that turn about is fair play.

Shirts aren't the only merchandise that laundrymen handle. Having the outlets and sales staff, some are selling such products as sheets, gift wrap paper, greeting cards, stuffed animals, toy trucks, cosmetics, etc.

SHOE REPAIR: This is another offbeat service for launderers but it has possibilities if you can get a dependable shoe repair firm to do the work for you.

It takes a minimum investment of \$4,000 to set up your own shop, and between \$7,000 and \$10,000 for a complete shop. With a three-man staff a shop can gross about \$900 per week.

Fox Valley Cleaners and Launderers, St. Charles, Illinois, prefers to farm out the work and gets a 40 percent markup. It charges \$7.50 for full sole, new heels and a shine. Its nine routes average about \$100 worth of shoe business a month per truck.

DIAPER SERVICE

The biggest single problem in this industry has been customer replacement. In an effort to stabilize this turnover, many operators offer additional services, centered around babies' needs, both to increase revenue at each stop and to prolong customer life. Extra services include: baby

clothes service, bedding service, scale rental, layette service, training pants service, etc.

SCALE RENTAL: As the name implies, this service consists of renting scales to proud parents.

▲ One diaper service firm has had success in renting these to first-time parents at the rate of \$3 for three months usage.



TRAINING PANTS SERVICE: This is considered a good means for extending customer life, although it does require additional inventory.

Diaper Service of Rhode Island, Inc., finds this service helpful in retaining its customers for an additional six weeks. It offers three different size training pants—each of a different color to facilitate sorting.

LAYETTE SERVICE: This includes a complete outfit of clothing, blankets, etc., for a new-born infant.

Tidy Didy Wash Inc., Houston, Texas, offers this service on a special truck which calls on customers every other day for \$3 a week. This service brings in \$2,000 a month.

HOSPITAL LAYETTE: Where possible diaper service laundries try to establish institutional accounts in public and governmental hospitals. The advantages are obvious.

Sonnier's Hygenic Diaper Service serves more than two dozen hospitals within a 100-mile radius of its Mobile, Alabama, plant. And this work represents about one-third of its gross volume.

A one-ton panel truck concentrates on hospital accounts, making out-oftown pickups and deliveries on a oncea-week basis. Two-thirds of the hospitals served have their own laundering facilities, but they prefer to let Sonnier do the diapers.

One reason is that Sonnier's furnishes a complete layette service, ranging from 31 to 35 pieces per baby per day. Minimum needs are figured at 20 diapers, 3 shirts, 2 blankets, 2 navel binders, 2 sheets and 2 pads.

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Although the firm started offering just diapers 15 years ago, management finds hospitals reluctant to sign for diaper service unless they can unload the whole layette headache.

Before making a proposal to a hospital, management inspects the insti-

tution's present method of handling diapers. It looks especially for short-comings or handicaps that might make the administrator most desirous of switching. Then in making its proposal, diaper service management stresses elimination of those problems.

For instance, several smaller hos-

pitals have only one autoclave for pressure sterilization. This is usually overworked, yet to add another would be rough on the hospital budget. By eliminating the need to run baby work through the autoclave, a small hospital usually can get by with one unit.

Part of the arrangement is that each

What about coin-ops?

The number of coin-operated laundries is now estimated at about 25,000 and the field is still growing. Home Furnishings Daily estimates 11,000 new openings just within the past 12 months.

WHO'S BUYING THEM

At the present time, there are five distinct groups of people who are buying coin-operated laundry and drycleaning equipment:

VENDORS: Sometimes known as coin-op "route" operators. This group was the first in the field. They set up their machines in apartmenthouse basements and gave the landlords a certain percentage of the take. It is not unusual for a single vendor to own more than 1,000 coin-op machines.

INVESTORS: Lawyers, doctors, tradespeople and husband-and-wife teams who, collectively, make up the largest share of the market. They own anywhere from one to three retail outlets consisting of about 20 washers and 6 driers. They were attracted to the field by promises of 30 to 50 percent profits and minimum work requirements.

SPECULATORS: These people know the ins and outs of the business. They set up model retail stores, get them going and then sell them to investors. It's usually a franchise arrangement and they very often hold the property leases.

PROFESSIONALS: These are the professional laundrymen and drycleaners who add such outlets to bring in additional bundles and supplementary income. They usually have two or three but sometimes as many as 10 coin-ops. And they are more inclined to favor larger operations having 30 to 60 washers at a single location. These professionals make up better than 20 percent of the coin-op market.

SUPERMARKETS: The supermarket chains are the latest ones to take an interest in this field. One chain is currently experimenting with them in one or two stores and, if it works out, it may put them in its entire string of over 200 stores.

IN WHAT AREAS?

The large metropolitan areas have been fairly well saturated and choice locations are increasingly difficult to find. Suburban and rural areas now seem to offer the greatest opportunities for growth.

WHAT'S HAPPENING?

There appear to be two major trends at the present time: diversification and increased restrictive legislation.

• Increased competition has prompted the newer stores to add more and more "extras," usually in the form of vending machines that have nothing to do with laundering. These include: coin-operated hair driers, mechanical toys, food and drink dispensers, etc.

 A seemingly growing rate of slovenliness, vandalism, fires, and pressure from attended quick-service operators obliges municipal authorities to introduce ordinances restricting business hours and requiring attendants on the premises.

In Philadelphia, coin-ops were recently described in the press as "dens of sin." Fire chiefs are seeking additional information on coinop blazes. Health authorities are investigating sanitary violations, etc.

Actually, the picture isn't as black as it's painted. Coin-ops just sprang up so fast that they caught everybody off guard. Now that there are so many, specific laws have to be made to embrace them.

These and other factors have somewhat disenchanted the investor group which made up the bulk of the coin-laundry field. Equipment manufacturers will be looking more and more to the professionals to carry on. Why? Because the branchstore operation lends itself to the attended-coin-op idea. And because the professional has the business acumen which is necessary in a competitive business.

HOW ABOUT DRYCLEANING?

There is only one drycleaning machine in wide use today. It sells for about \$5,600 and thus far there have been over 50 takers.

Another manufacturer with a less expensive machine is working closely with professional drycleaners. Their proposition is put this way: "We may estimate that a city like St. Louis may need 220 machines . . . we'll offer them to professional drycleaners first." The machines will be priced at about \$2,000 each.

Still another company proposes to sell its coin cleaning unit as a complete package of eight machines with a central filtration system. The price for a bank of eight units may be \$15,000.

While the quality of coin-op drycleaning generally appears acceptable, the manufacturers are not saying the service does not need to be attended. It's still too early to estimate the potential profit picture, but one report has it at 35 percent.

MISCELLANEOUS

- The coin-op trend has even extended into the linen supply field. You'll find continuous roller towel cabinets, right next to air driers, dispensing toweling at a penny a serving.
- Home laundry equipment manufacturers report home washer sales off 15 percent this year, but it brings little joy to industrial launderers who see their smaller accounts taking work clothes to local coin-laundries.

hospital has a separate room for soiled diapers awaiting pickup. This usually is little more than a large closet, but can be closed off and well ventilated. Clean diapers are usually delivered to the main linen room, or sometimes to special ones on the maternity floors.

What happens if an out-of-town hospital runs short between weekly deliveries? The plant puts a supply on the next bus to that town and a hospital employee gets it at the terminal.

Monthly laboratory test reports are sent to doctors and hospital administrators to prove the diapers are safe. DIAPER WIPER: During the last war when industrial laundries ran short of wiping rags, someone discovered that diapers made an excellent substitute.

▲ A Long Island diaper firm currently has a contract with Republic Aviation Company to supply it with at least 2,400 diapers each year. Republic's engineers say it's the best material for wiping airplane windshields.

INSTITUTIONAL PLANTS

Institutional plants normally make little or no attempt to diversify. Their services are governed by "house" needs. But here's one case which proves the exception to the rule.

The Shamrock-Hilton hotel laundry, Houston, Texas, operates eight routes serving its residential area with family laundry and drycleaning.

The plant is set up to provide 650 uniform changes a day, linens for the hotel's 1,000 guestrooms and sameday service for guest work.

To make fuller use of production equipment, the laundry manager went outside to get additional business.

The plant does about \$4,500 a week in laundry and \$3,500 in drycleaning. This includes the work brought in on



the routes, each of which averages about \$550 per week.

This means the hotel gets all its work done free and even makes a profit. The plant operates from 7:00 a.m. until midnight, seven days a week.



FRED W. McBRIEN

Holland Laundry
Philadelphia, Pennsulvania

"Work out costs. This is most important today. Costs must be kept in line. It is no longer possible to make one and two percent savings at a time; you have to concentrate on saving a quarter percent here and a half percent there. Of course, you can't let down on sales nor ease up on quality."

LINEN SUPPLY

The linen supply field's stock-intrade lies in serving commercial and professional accounts with linens, uniforms, towels, and other supplies (including soap and even paper products).

Diversification takes the form of opening new markets for its services. One small example of this is the recent installation of continuous roller towels at supermarket vegetable stands for the convenience of patrons. At the same time, the towel cabinet supplier will make a bid to handle supermarket employee uniforms.

There is some overlapping into the industrial field. And more recently linen suppliers have taken an interest in the college, home rental and hospital markets.

HOME RENTAL: The National Cotton Council estimates that a half million persons in this country now rent all their linens instead of buying them. Most families that rent linens are said to be in the \$5,000 to \$12,000 income group. It is also said to be popular with summer home owners who prefer not to take their own linens with them on vacation.

• Standard Linen Supply, Inc., Arlington, Virginia, finds these advantages in home linen rental service:

 It lends security to the linen supply business.

 There is no lost merchandise. The customer pays an initial deposit which at this plant amounts to four times the weekly rate.

 There is no abuse of linen in private use.

• The service is rendered entirely on a cash basis.

The customer signs up for the service for a minimum of four months. He agrees to pay a flat rate regardless of linen usage and the work is handled on a bundle system. The linens are replaced at no extra charge as they wear out.

About 60 percent of the business is in sheets, pillowcases and towels; there is little demand for table linen. Better materials have been put into use for home service but this move has had no noticeable effect on sales.

Some prospects would like to take advantage of the service but there's a question of what to do with the linens they already have. To sell these prospects, the linen supplier must make his approach well in advance—as much as 18 months until the inventory is made up. (Some plants consider buying the customer's "dead" linen after a trial period.)

There's little problem of customers replacing your linen with theirs if you mark your goods and return customers' linens soiled.

Standard makes its pickup and deliveries once a week. The salesman doesn't go back on an incompleted call unless the customer pays \$1 for the extra service.

COLLEGE LINEN SUPPLY: This refers to service given individual students by individual package based on an annual charge. It is a fast-growing market and one worth investigating. But it does take time and effort.

The linen supplier going after this business for the first time will find that some colleges have their own laundries. Even if the administrator did want to give it up, he is reluctant to forego the income derived from this source. Another possibility is that the student has already availed himself of some other facility.

• The Penn Coat and Apron Supply Company, Inc., Allentown, Pennsylvania, has a "college bundle" consisting of two sheets, a pillowcase, two turkish towels and two face towels. It averages \$26 per student per year with this service.

The greatest potential for new accounts is in the freshman class. And its members are inclined to remain customers as they progress to the upper classes.

In servicing these accounts the linen supplier can deliver and pick up the work himself or hire student linen agents. Penn prefers using student agents since the work can be dropped off at one point for distribution. It also provides scholarship students with a supplementary income.

Ideally, the student agent should have about 50 customers, since most are reluctant to work for commission on 10 or 20 customers. The job requires detail paper work in keeping track of moves, eliminations, drops,

The first week of school is the most critical, involving hiring, insuring and signing up new customers for the following year. Plans must be prepared well in advance.

HOSPITAL LINEN RENTAL: Linen suppliers see a tremendous potential for their services in the hospital field. There are 12,000 hospitals, sanitariums and nursing homes in the United States, with a total capacity of two million beds.

One reason why linen suppliers have shied away from this market is because of the wide variety of specialized linens used in such institutions.

 Community Linen Rental Service, Los Angeles, California, investigated the typical hospital bundle, however, and found that specialty items represented only 10 percent of the total work. And that 95 percent of these items could be standardized for rental

Community supplies everything but blankets, curtains and items that might be considered decorative.

It operates on the hospital demand system and charges by the pound on clean delivered weight. The work is not counted on pickup. The plant gets a 30 percent annual return on its investment.

In selling the market Community management takes the trouble to learn something about hospital terminology and its problems. It finds that while hospitals may seem to be calm and quiet from the exterior, they are in reality very frantic places with the administrator right in the thick of it.



Community finds the best approach is to find out what the problems are and then suggest benefits which can result from using rental service. For example, one approach is: "Mr. Administrator, how would you like to buy linens that don't wear out?" Or "How would you like to gain some valuable space?"

The general plan here is: (1) find out what's in the hospital bundle, (2) determine costs, and (3) sell the benefits of the service.

INDUSTRIAL PLANTS

Industrial launderers' interests lie in providing and maintaining uniforms and protective garments to manufacturing and service industries. Dust control has become an important sideline within the last decade. And a bold few have ventured into the nuclear laundry field. Some of their more recent areas of interest are in glove reclamation and flameproofing. DUST CONTROL: This service had its beginnings less than a dozen years ago when a telephone company became aware of the adverse effect dust had on its delicate equipment. Today, more than 200 industrial launderers offer this service.

The first dust system employed a simple cloth saturated with oil placed on a pushbroom. The tools have become more refined with the years and now feature swivel heads, spring and

Test your phone service

- 1. Promptness in answering.
- 2. Courtesy and friendly tone.
- 3. Clear identity of plant called.
- 4. Responses to questions that are unmistakably clear and indicate the answerer knows his or her business.
- 5. Effort to obtain address
- 6. Effort to obtain name.
- 7. Mention of superlatives.
- 8. Assurance of right name, address, apartment, landmark or other location aid.
- 9. No undue delay in answers or time lapse in switching call to other employees.
- 10. Thanks for calling our plant which is mentioned by name in a tone that gives caller "glad I called there" feeling.

How to score

- 10 points for excellent
- 8 points for good
- 6 points for fair
- for bad

A telephone operator who is expected to convert inquiries to sales should have a score of at least 70 on this test. Most will score lower because they have never been trained in correct telephone techniques.

plastic heads, etc. And new chemicals now incorporate germicides and bactericides, to boot.

The cloths are recommended for smooth surfaces; string mops for rough, uneven surfaces. One of the newest developments is a disposable cloth.

Public buildings as well as private industries of all types are likely prospects. While this service is confined to surface maintenance some see it developing into a package plan which may include lint-free uniforms, filters for air-conditioning units, etc.

GLOVE RENOVATION: Since protective gloves are fairly expensive items, industrial launderers see a possibility of rendering an additional service to their customers in the glove repair field.

Columbus (Ohio) Overall has specialized in repairing canvas, leather and asbestos gloves for many years. When we last visited them, they were getting 16 cents per pair, when it wasn't necessary to segregate the damaged gloves. This flat rate covered washing or drycleaning, pairing and patching.

According to the management, it took two years to find a satisfactory adhesive which would resist both laundering and cleaning. For safety reasons, no more than three patches are applied to a glove, no matter how expensive.

After patching, the gloves are stretched and dried on glove forms, then packaged six pairs to a bundle. NUCLEAR LAUNDERING: At the present time there are five industrial laundries in the country specializing in decontamination work. But there will be many others as the "Atoms for Peace" program gets into full swing.

Decontamination business comes from subcontractors whom the Government is permitting to work with radioactive materials. Many of these subcontractors have set up their own decontamination laundering facilities because few commercial laundries have shown any interest in or knowledge of this work. In most cases the work handled has such a low level of radioactivity that the subcontractors say they can do it in a home washer with a box of Tide.

A decontamination laundry doesn't require any special laundering equipment. But a commercial laundry must obtain a license from the Atomic Energy Commission. And it must know what it's doing. Specialized instruments are required to measure radioactivity and additional precautions must be taken in handling higher levels of contamination. The services of a specialist consultant are necessary—at least on a part-time basis.

FLAMEPROOFING: This is a fairly specialized sideline, but one that interests industrial launderers because it gives them an additional selling point in promoting uniform rental to steel workers, welders, foundry workers, etc. And because the process requires a relatively small investment.

There are commercial redyeing houses that offer this service for those who don't want to bother. In the New York City area the price to the customer for flame-retarding treatment is about 12 cents per square foot on flat items such as stage curtains. And the charge to the launderer would be around 6 cents, which provides a nice profit margin.

There are chemicals that can be used on the wet side; others are for dry-side work. Wet-side processing is the most common, and it is preferable to use a dip tank. The tank should be corrosion-resistant to offset the chemical reaction of the flame retardant itself. The retardant can also be sprayed on.

Dry-side flame-retarding is usually



What about shirt rental?

Linen suppliers are doing the best job in promoting this service. They hold about two-thirds of the dress shirt rental business now on the books.

The general idea is to set aside a specific number of white cotton shirts for each customer and have him sign a contract to pay so much a week for their use. The nominal rental fee includes pickup-and-delivery, laundering and replacement (at no extra charge) as the shirts wear out.

Large corporations that require their office personnel to wear white shirts on the job are prime prospects.

Banner Laundry of Detroit,
 Michigan, rents approximately 800, 000 shirts a year with principal accounts in the motor car industry.

The Industrial Towel and Uniform Company of Dallas, Texas, now offers an "Executive Service" for office, sales and delivery personnel. It rents not only white shirts but dress slacks in a variety of colors.

done on metallic print fabrics, or where shrinkage could be a serious problem. This is hardly ever done other than by the dip method because of the fire hazard of spraying the solution with flammable solvent.

In large cities ordinances require all public buildings to have flame-resistant draperies, curtains, rugs and the like. In addition, some cities require that a certificate accompany the completed order, testifying that the fabric has been treated with an approved chemical. In New York City, for example, the Board of Standards and Appeals assigns a serial number to those products that pass its test standards. This number must be on the certificate. Check the local ordinances to learn their requirements.

A stainless-steel dip tank with a steam heating coil does the best job. The dipping follows the laundering or cleaning process. Extractions should be saved and reused to hold costs down. Exact costs are difficult to estimate since some materials hold more retardant than others. But on the whole, the figure seems to average out around 2 cents per square foot, plus labor.

While the term "flameproofing" is used, the fabric so treated is not fireproof. It has a flame-retardant quality. Flameproofed material will char where the flame is applied but the flame will not spread. Be sure this is properly understood by your customers when the service is presented.

ADVERTISING AND PROMOTION

Once you have decided on a new service, worked out the method and means for putting it into operation, you must also advertise and promote it

The most logical place to begin is with the people in your plant, particularly the salesmen who must understand the service or it will never get off the ground.

Secondly, your present customers should be informed since a new service very often is the result of their needs. Your salesmen are the logical ones to pass along this information, but you can back them up with bundle inserts and direct mail.

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The third step is to notify the public at large in hopes it will appeal to those who are not presently customers.

Holland Laundry, Philadelphia, Pennsylvania, used a novel and effective means to tell its men about the company's new shirt sales program.

Preliminary plans and preparations were kept a management secret until the very last minute to whet salesmen's interest. Then the night before the big campaign was to open, management sent a three-page telegram to each man's home giving him full particulars on the shirt sales program.

This might seem extravagant. But having the opportunity to study this important message at leisure, every man knew pretty well how the program worked before he showed up for the 7 o'clock sales meeting the following morning. All management had to do was clear up a few questions and pass out the sample cases.

During the very first week, the 29 men sold more than \$3,400 worth of shirts. And sales climbed to just under \$10,000 after four weeks promotion.

● Modern Silver Linen Supply Company, New York City, realizes that its salesmen have an exceptionally large market to cover. So it regularly uses radio spots to reach service people who are their most likely prospects. They buy spots on local disc jockey stations which seem to get the greatest audience among service people during working hours.

Consolidated Laundries Corporation's diaper service division, like many other diaper service plants, had always concentrated on expectant mothers as the most likely source for this business. But last year it broadened its outlook and began selling diaper service gift certificates to all comers. Oddly enough, the bulk of these were sold to bachelors who bought them for their married friends. Consolidated's diaper business increased 100 percent over the previous year.

▲ Elite Laundry, Washington, D. C., provides a bathinette and free diaper service in ladies' rooms of drive-in theaters in exchange for a plug flashed on the theater's screen.

BASIC SALES TOOLS

Whether they do anything else or not most commercial laundries have a listing in the Yellow Pages section of their local telephone directory. And telephones themselves probably rank as the number one sales tool in the industry. (Some diaper plants get as much as 95 percent of their business by phone.)

Yet, oddly enough, this potent sales tool is also one of the most neglected as proved by recent checks in the family laundry and diaper fields.

The Bureau of Laundry and Dry Cleaning Standards, Washington, D. C., not long ago called 38 family plants, posing as a prospective customer. These were some of the results:

· Not one single plant called asked the customer for her business.

 In some cases, the caller had to wait as long as two minutes for the plant operator to return to the line.

Not every operator knew the prices and services her company had to offer.
In many cases the operator's diction was so bad the "customer" couldn't understand the information

being given,

In general, it was concluded that laundry telephone operators were worse than others when it came to (1) slow answering, (2) wrong attitudes, and (3) lack of business courtesy.

▲ The Diaper Service Industry Association conducted a somewhat similar study at its last national convention at New Orleans and the results weren't much better. The operators didn't ask for the caller's name nor her business. There was no attempt to dissuade "irate" customers from quitting, etc.

It's alarming to think that a custom-

er or prospect who takes the trouble to call us is treated so shabbily. These are the facts of life, but there are steps we can take to correct the situation. And the help is as close as your telephone company. Many of them provide free courses and literature dealing with business telephone techniques. And they are most, happy to cooperate.

HOW MUCH FOR ADVERTISING?

This is a difficult question to answer since there are many factors to be considered. Suffice it to say that in most cases it should be higher than what is now being spent.

▲ In the diaper service field, it's interesting to note that plants with fewer than 1,000 customers spend an average of 9 percent of sales on advertising and promotion, while those with 1,000 and more customers spend 12 percent. (In some plants where telephone calls are included in advertising and promotion expense, expenditures run as high as 25 percent of sales.)

Most family laundry managements believe they are doing a good job if their advertising and promotion expenditures exceed the national average of 1.94 percent of sales. But are they?

Eugene Talley, City-Elite Laundry, Denver, Colorado, recently threw some light on this subject at the International Division of Management Engineering Association's annual meeting which took place at Toronto, Canada, last June.

In analyzing the relationship between members' advertising budgets and sales results, Mr. Talley found the most successful plants spent better than 4 percent.

MEA MEMBERS	AVERACE ADVERTISING EXPENDITURES	SALES RESULTS
50%	4.32%	1.5-30% increase
31%	3.37%	No change
19%	Less than above	Loss

A similar analysis has been made for several years past. Without exception, the results have shown sales increases predominate in direct relation to promotion expenditures in excess of 4 percent.

Conclusion: If you spend less, you're wasting your money.

Encouragingly enough, family laundrymen are beginning to realize the importance of an increased advertising budget. A recent survey of AIL membership shows that 45 percent expect to increase their advertising and promotion expenditures during this year.



LET'S TAKE a closer look at the industry and examine some of the specific trends.

MODERNIZATION

Many, many plants, like the Progress Laundry of Chicago, Illinois, are modernizing their plants and offices both to attract cash-and-carry customers and to offer them a more efficient service.

Progress Laundry's new \$90,000 call office is right across the way from its main plant. It provides much needed off-the-street parking on a heavily traveled artery. And customers obviously appreciate the convenience since call-office volume has doubled to \$2,000 a week in short order.

The Darien Hand Laundry, Darien, Connecticut, opened a \$250,000 plant last year because, as Sol Krevlin, the firm's president, puts it: "Our volume was increasing, but it just didn't seem to be worth the extra time and effort we were putting into it. No matter how we planned and revamped our workflow, we couldn't



Major trends today

- Modernization of plants, call offices
- 2. . . . and equipment
- 3. Diversification to profitable sidelines
- 4. Decentralized, fast service operations
- 5. Merchandising the "feminine image"

get our total labor costs (including office, routes and administration) down below 55 percent. We had a two-story operation in a nondescript building and were set up to operate primarily as a cash-and-carry drive-in. But there was only enough room for four or five cars. We finally decided that if we were going to stay in business, we might as well start from scratch and do it right—rather than go along trying to make the best of a bad situation."

At last report, the plant is getting 25 to 30 percent more production from the same number of employees, and the productive payroll ranges between 25 and 30 percent of sales.

Mountainside Hospital, Montclair, New Jersey, saved itself the expense of a \$64,000 building addition for its laundry by putting the money into an equipment modernization program.

The plant is no larger today that it was 36 years ago, yet it now has enough capacity to provide for its own enlarged facilities (375 beds and 60 basinettes) plus that of another 100-bed hospital, as experience has proved.

Every single piece of equipment in the plant (with the exception of one drying tumbler) was replaced. The plant produces more work in 40 hours with 18 employees than it did with 26 employees working six days a week.

The most impressive savings were made in the washroom. Here conventional washers were replaced with four 200-pound combination washer-extractors equipped with semi-automatic controls. Where 3½ men were formerly employed here before, 1½ are turning out 6,000 pounds of work per day.

Route service, too, is getting a thorough overhauling. Concerned by rising distribution costs, laundrymen in every segment of the industry are looking for trucks that promise greater economy of operation.

The Soft Water Laundry, Long Beach, California, is just one of the many plants testing small trucks for family route operations. Preliminary results showed the pay load sufficient to handle a \$700 family route, plus one \$500 agency account each week. And gas mileage, over hilly terrain, averaged better than 19 miles per gallon.

Many are switching to aluminum bodies to take advantage of lighter weight, lower license plate cost, higher gas mileage, and minimum body maintenance. Decals are favored in place of costly, time-consuming hand painting. And many are giving truck leasing plans a second look.

There is greater interest in stimulating route salesmen to sell more. A few plants send their men to Dale Carnegie courses. And out in California a half dozen plants have psychologists on their payrolls working on the problem of motivating salesmen.

Hollywood Laundry in California's film capital parlayed a sales training program with a carefully laid out series of seasonal sales contests.

The first, a four-week promotion on ladies' coats and men's topcoats, resulted in a total of 4,303 items collected, as against 1,800 items during the same month a year before when a "normal type" promotion was held.

Another four-week contest on sweaters and skirts brought in 9,000 items compared to 2,400 for the previous year.

DIVERSIFICATION

As volume for standard services appears to level off, many managements look to new services and markets to keep both route and call-office sales growing.

The Morey LaRue Laundry Company, Elizabeth, New Jersey, is recognized as one of the 10 top plants in the country and has had an exceptional record of growth and diversification during its 70-year history.

During the next 10 years, the management anticipates a 50 percent increase in business volume as compared to the previous decade when a 35 percent increase in volume was realized.

A good share of the growth is expected to be in the Industrial Linen Supply Company, which is a subsidiary of the main company. Established less than two years ago, this division is already serving better than three dozen of the largest industries in the area.

Morey LaRue operates several package plants, 25 stores and a fleet of trucks serving three states. It offers drycleaning and rug cleaning services, and its fur storage vault has a capacity of 60,000 garments.

H. L. Kirshbaum & Sons, Los Angeles, Californía, has been in the industrial laundry business for the past 25 years and operates six branchess.

The firm recently added a washroom maintenance service to its line,
providing continuous towels, toilet
tissue and soap as a package plan. It
gives their men a chance to increase
revenue at each of their present uniform rental stops. And gives them
something new to sell to prospective
customers.

Stimulated by a sales incentive, its men hung 1,800 towel cabinets in Sacramento during a 90-day period.

DECENTRALIZATION

• Consolidated Laundries Corporation, headquarters in New York City, has come a long way in its 34-year history.

Billed as the "world's largest launderers," this company offers linen supply, industrial, drycleaning, diaper, wholesale, linen loan and retail store services. In 1959, its sales exceeded \$24½ million.

Its family laundry division was ex-

panded last year with the purchase of the Knickerbocker Laundry of Long Island City, New York, and the Hometown Laundries of Teaneck, New Jersey.

Consolidated Laundries has closely followed the growing shift of population from large cities to suburban areas by establishing a network of distribution centers to service these newly developed areas. This movement to the suburbs, coupled with the advent of superhighways, has resulted in the addition of several new distribution centers over the past decade, as well as the conversion of former seasonal operations to year-round.

Ten years ago Consolidated Laundries was primarily serving the area located within a 50-mile radius of New York City. Today 19 divisions, 9 distribution centers and its fleet of over 800 vehicles serve customers in six states, including New York, New Jersey, Pennsylvania, Delaware, Connecticut and Marsachusetts.

In 1956, with the opening of a Buffalo division, the company entered the northwestern New York State marketing area. It now serves an increasingly large number of customers in the Buffalo-Rochester-Syracuse area from the Buffalo plant and a distribution center in Rochester.

Other distribution centers in Stamford and Danbury, Connecticut, provide a gateway to the New England territory and the company now covers most of Connecticut and western Massachusetts.

Faced the prospect of going out of business several years ago.

"We had to do something," says C. J. Robertson. "Sales were falling off at our one and only plant, which stood in the path of a new highway. We couldn't afford to keep all our eggs in one basket so we decided to decentralize."

Within three years Pilgrim had nine plants and more than a dozen branch offices plus five or six coin-ops.

Pilgrim's story is one of all-out decentralization—decentralized management, ownership and investment.

Management set up a drycleaning plant and put two or three branch stores around it. Once the plant got rolling, it was capitalized and sold with Pilgrim retaining half interest.

The new partner coming in man-

ages the plant and the stores in its neighborhood. All the cleaning is done on the premises while the laundry is fed back to the main plant. (A package plant has since been built to replace the main plant.)

This formula—building, capitalizing, selling half interest—has been repeated again and again with the result that Pilgrim gross annual volume has increased tenfold in the last dozen years, to a million dollar operation.

Elite Laundry, Baltimore, Maryland was thrust into a somewhat similar position several years ago when the city's redevelopment commission decided to take over the property.

The firm was doing over a million dollars a year in laundry, drycleaning and diaper service. Management toyed with the idea of decentralizing its operation into four package plants, but decided against it. There was the problem of finding suitable locations, building and managing such an operation. In effect, it meant setting up four power plants, four garages, and four of everything else. Management decided it could do a much better job in one large, efficient plant.



W. E. "Gene" HAWK,
President, American Institute
of Laundering
Miller's Dry Cleaners & Launderers
Des Moines, Iowa

"Production Control. To maintain a high wage scale with costs going up, we have to get back a dollar for every dollar we put into the business. We should concentrate on sales. But production is vital today."

CONSOLIDATION

Many family plants have been forced to close their doors due to the death or retirement of the owner, failure to provide for succession, taxes and general bad management. (Nationally, the rate of closures averages about two plant closings per week.)

These plants are bought up by other laundries that need additional production facilities. Or extra volume to maintain the efficiency of their own production operations.

In the latter case, the buyers usually prefer to purchase both the plant and its routes where possible. Then by selling off the machinery and building, they have acquired the routes at no cost.

Buyers expect to lose about onethird of the route volume in the transition. But they pay anywhere from \$5 to \$10 for every dollar's worth of route business, plus equipment and men.

On the surface it may seem foolish to buy a declining route. However, the buyer gets a favorable tax break and protective covenants prevent the men from going into business on their

MERCHANDISING

The American Institute of Laundering sponsored a Motivational Research study which set the pace for an allout Public Relations program for the industry bent on "feminizing" the professional laundry. The basic idea behind it is that the homemaker is more inclined to entrust her laundry problems to a woman than to a man.

Today, family laundries in practically every state in the Union have a "home counselor"—real or implied—working for them. The trend spread to the linen supply field and even the rug cleaning industry has adopted the "feminine image" in promotion.

The Lakeland Laundry, Lakeland, Florida, changed its name to the "Polly Prim Laundry." And hired a personable lady to do a five-minute commentary for homemakers daily, under the name Polly Prim. All the standard advertising and promotion was pitched to the Polly Prim image. In a year's time, plantowner C. B. "Burt" Myers, Jr., says this effort resulted in a 20 percent increase in business for his plant.

5. Put your plant in order

INCREASING COSTS and how to absorb them are the major problems facing the laundryman today.

The demands of labor, higher taxes, minimum wage legislation, more liberal unemployment benefits, rising supply costs and many other economic pressures are putting the squeeze on profits.

One large East Coast laundry figured that a new minimum wage and hour law would increase its payroll \$3,400 a week, or a grand total of \$176,800 in the course of a year.

• San Diego linen suppliers are concerned by the increasing cost of operation, which has gone up 19 percent in the last four years. The heaviest increase was in water costs, which rose 200 percent.

The State of New York, which picks up half of a \$40 million hospital bill for welfare cases in New York City, is currently sponsoring a continuous survey of all service costs, including laundry, with an eye towards reducing its contribution. The results may prove to be quite disturbing to many hospital administrators who have questioned the efficiency of their own laundry operations.

. . .

In the past, laundries have generally passed the increases along to their customers. But the big question now is: How much further can we go and still stay competitive with substitute services? Each price increase makes it harder for our customers to deal with us.

If the new minimum wage and hour law gets through Congress next year, some price increase is certainly called for. But the balance must be absorbed through more efficient operation.

Every laundry can become more efficient, because none is perfect. The results, of course, are more dramatic where there has been a long history of inefficiency. But let's begin at the beginning and outline some of the elements that make for an efficient laundry operation. Our objectives are to keep costs and prices low, wages and profits high.

A company can only be as efficient as its organization, policies, employees, machines, systems, controls and methods allow it to be.

ORGANIZATION

The success of an organization depends largely on its top executive and his ability to organize, deputize and supervise his operation.

As a business grows, its problems multiply. And the functions of administration and management become increasingly important. As expansion continues the top man must free himself from the manual routine by hiring others to do his legwork for him while he devotes his mental energies to the

Model of Cleanliness: George Ripley's Desert Laundry, Palm Springs, California, is a shining example of what can be done. It didn't happen by accident. Management works at it constantly: (1) It sells employees on the importance of cleanliness, (2) assigns areas of responsibility, (3) schedules clean-ups twice daily, and, (4) keeps equipment in top condition. Cleanliness leads to orderliness and efficiency. Production costs average around 22 percent

plant. He must be free to think. If there is further growth, then he must hire others who will help share his mental tasks. He must be big enough to relinquish some of his authority to his assistants if he makes them responsible for their actions.

The test of a well-built organization is how well it runs itself in the absence of the top executive.

A good organization is not built overnight. It takes long, careful planning, modification and revision. Each job must be thoroughly analyzed, its functions defined, and some capable person made responsible for it.

There should be an organizational chart which plainly indicates the chain of command so that everyone knows at a glance exactly where he or she fits into the organization's over-all picture. Any overlapping functions tend to create confusion and inefficiency which must be ironed out.

The lack of such a chart can invite some surprising situations to develop.

At St. Luke's Hospital in Chicago, for example, a new laundry manager discovered that there were only two people of a staff of more than 80 employees who were responsible for getting the work in and out of the



JOSEPH KIRSHBAUM

President, Institute of Industrial Launderers H. L. Kirshbaum & Sons Los Angeles, California

"Having a good organization. It takes a team of good people, who are willing to work hard, to stay ahead in this business. Diversification isn't the answer."



laundry's six major departments. In the reorganization that followed, each department was given its own supervisor who was made responsible for this function.

POLICIES

A good, efficient organization has a set of ground rules covering every conceivable business exigency. It must do this to insure fair and equal treatment to all parties and to protect its own business interests. Such ground rules cannot be governed by altruistic motives, because there is no end to the consequences.

For example, every businessman is a natural target for solicitors of worthy charities. If he gives to one he must give to all; this can prove quite expensive. If he refuses one or all, then he risks their goodwill, as neighbors and customers.

A plant in the South got around this particular problem by printing up a set of tickets. When a solicitor calls, he is given a handful of these tickets with the understanding that the plant will buy them back at a quarter apiece when accompanied by a laundry bundle. That's their policy.

Establishing sound company poli-

cies from the start can smooth many, of management's later difficulties.

Dick Pearson, executive secretary, Florida Institute of Launderers and Cleaners, suggested recently that laundry managements should put their foot down and make cold-turkey solicitation a regular function of a route salesman's job.

His plan calls for a minimum of 20 solicitations per week. Each call and the results should be turned in on a 3-by-5 card bearing the prospect's name and address.

The sales manager, in this case, counts the cards to make sure the quota has been met. If it hasn't, then there is sufficient grounds to call the man on the carpet.

The cards are then passed along to the office for telephone and direct-mail follow up. (This serves to verify that the contact has been made as reported.)

If a man doesn't convert enough solicitations to sales, it's a tip-off to the supervisor that he needs more help on his sales technique.

This is a policy which could do wonders to increase route volume if laundry management would adopt it and keep after it continuously.

Where unions prohibit solicitation by routemen, the same sort of plan might be adapted for working with professional solicitors.

COMMUNICATIONS

No company policy can be any good unless its employees know about it. These must be passed on to employees in one way or another so they can know what management expects of them and what they can expect of management.

At a recent laundryowners' meeting, a guest speaker from a large corporation cited two basic guides for better employee communications:

- Management must realize that employees are consumers who can be sold.
- 2. Management must use repetition and persuasion to sell them. His contention here was that management does many fine things for which it fails to get credit. For example, most people in this country give credit to union leaders for making the most improvement in our standard of living. Actually, businessmen provide the wherewithal and get none of the credit.

Part of the company's policy should point out all the fringe benefits that

are provided. Don't post a vacation schedule, says the speaker. Instead make it a "company-paid vacation schedule."

Company policies should cover work standards, performance, quality, claims—every aspect affecting the company's relations with the employee and the customer.

PERSONNEL

The success or failure of a laundry ultimately depends on the people we employ to do the work, since all we have to sell is labor. To maintain efficient, low-cost production we must hire the best people available, train them to our requirements, and motivate them to do the best job possible. Now, every management knows this but the difficulty lies in putting it into practice.

HIRING: To begin with, we seem to have trouble in attracting good people to our industry. There are many reasons for this. And one of them is that we haven't emphasized the advantages of laundry work.

Most people associate laundries with dirty linen. Actually, only 10 percent of a plant's personnel handles soiled work. The other 90 percent handle clean linen.

One of the biggest internal problems facing laundrymen today is the recruiting of satisfactory route salesmen.

The Chicago Laundry Owners Association set out to do something about this by working up a pamphlet that emphasizes all the advantages of a laundry salesman's job. Here are some of the benefits enumerated. See if they don't sound attractive: (1) No previous experience necessary; (2) you receive sales training; (3) your earnings are unlimited-with salary and commissions, wages exceeding \$7,500 per year are not unusual; (4) outdoor work; (5) paid vacations, sick benefits, free health and welfare plan plus \$4,000 worth of life insurance, pension plan, union representation,

These leaflets are passed out to the Illinois Employment Service, prospective candidates and all other interested parties.

Many companies encourage present employees to suggest likely candi-



GEORGE Y. KLINEFELTER

Elite Laundry Baltimore, Maryland Washington, D. C.

"Diversification. So long as it helps to sell more laundry and drycleaning."

dates. And some even pay a bonus if the candidate is found acceptable.

Some form of testing should certainly be used and a reference check made before hiring a candidate. It is far more economical to spend the money in advance finding people who are capable of doing the job than to rely on the trial-and-error method.

TRAINING: This is another bugaboo in laundry's handling of personnel. Few plants have an organized program for teaching new employees. We give them the opportunity to watch others and hope that enough of what they see will be picked up. But there is very little formal teaching. We overlook the fact that bad habits—once acquired—are not only hard to break but are costly since they result in inefficiency and higher costs.

It's a good idea to set a daily production quota for the new employee to shoot for from the very start. The quota should be advanced each day until it reaches expected standards for the job at the close of the training period. This policy has several distinct advantages: (1) It lets the trainee know what the company expects and just how well he is progressing to meet that goal. (2) It alerts the instructor to the need for more specific training with certain individuals and it evaluates his own teaching technique. (3) It brings a good trainee up to standard in about half the time normally required when the trainee is left to pick up the job as best he can from those about him.

Six Pittsburgh laundry and cleaning establishments, appreciating the value of training, recently enrolled 88 management, sales and supervisory employees in a Dale Carnegie course.

MOTIVATING: Laundry management consultant A. L. Christensen recently made this observation in regard to the importance of motivation:

"The management that distresses me most is the one that wants to be successful, desperately. The manager here reads, he studies, he attends conventions and takes prolific notes. He knows his job. He is serious. And he does follow sound rules. There is nevertheless something wrong. He doesn't get results. WHY?

"There's one little point he hasn't learned. How to motivate people. Yet that is more important than everything else."

The Quartermaster Laundry and Dry Cleaning Plant serving West Point Military Academy in New York had an experience three years ago which well illustrates Mr. Christensen's remark.

At that time, the laundry was moved into a brand-new building and all the old equipment was replaced with the newest, most efficient machinery available. There was plenty of room, short flow lines, the most convenient layout possible, excellent lighting and ventilation. It was, in short, ideally suited for highly efficient production operations. Yet this brand-new million-dollar plant with all the latest equipment and facilities couldn't meet its work schedules. What was the answer? People.

As the laundry manager put it: "The line workers had been categorized as a group that could not get employment elsewhere. They had been made to feel like outcasts, and they carried this attitude with them into the brand-new plant."

It took months to recognize the problem and many more months to develop a program designed to improve employees' self-esteem and make them feel like an integral and vital part of the organization. Then, and only then, did the production picture begin to brighten.

Some time ago Bob Place, executive secretary of the California Laundry and Linen Supply Association, made a survey among the laundry employees of many plants asking the women the following question: "If you owned this plant what would be the first change you would make to better the working conditions of the employees here?"

"There was a wide range of answers as might be expected, yet strangely enough, analysis of the answers made by most of the operators could be summarized in a very few words.

"What they said, in effect, was 'We want recognition—recognition of ourselves as human beings, recognition of our loyalty, or ability, or quality of production.' The failure to give credit where credit is due seems to be the major fault of today's management," says Mr. Place.

MACHINERY AND EQUIPMENT

The best worker can only be as efficient as the tools management provides him with. Good tools—meaning machinery, equipment and supplies—are essential to efficient production.

Many plant managements put up with inefficient equipment because they are reluctant to spend money for anything they can get along without.

Accountant John Carruthers, John Carruthers & Company, regards this as false economy. He says:

"If there is available more efficient equipment than you are now using, which will pay for itself by savings and you don't buy it, you are paying for it just the same—through higher costs, without having the benefit of its use."

Yet surprisingly few plants budget equipment purchases as a method for keeping expenses within bounds, and few budget even their *time* wisely.

A survey of profitably operated California plants revealed that these firms spend about 8 percent of sales for various supplies. The largest share of this expenditure—almost 5 percent of sales—is spent for packaging materials. Yet most plantowners spend 90 percent of their time in selecting wash-

room supplies and the rest on packaging needs.

▲ Stork Diaper Service Ltd., Toronto, is the largest diaper service operation in Canada. Management attributes a great deal of its success to the use of modern washroom equipment. Its business increased about 300 percent in three years time because, management says, "We scrapped all our outmoded equipment and replaced it with the very latest machinery that money could buy. With increased production, reduced costs and a good class of work, we were able to give our customers something they wanted at a fair price. This brought them to us instead of our having to go to them." * * *

One authority estimates that approximately 54 percent of all existing power laundry machinery is obsolete and should be replaced at once with high-speed, low-cost operating, modern machinery.

If you can't buy all new equipment now, you might consider converting what you have to full or semi-automatic operation. The resultant savings can pay for its installation in a relatively short time if it means eliminating even one job. Remember that even a \$30-a-week employee on the payroll costs you better than \$1,500 a year.

If you do buy new equipment, insist that the manufacturer back up the claims he makes for his product. If a shirt unit is supposed to produce so many shirts an hour, let him show you where you are falling down if you can't match this standard. A surprisingly large number of family plants say they pay their shirt operators to restrict production in order to maintain the quality of finished work. In this case, it would seem that management is paying a penalty for investing in high-speed units. It doesn't make sense and it's a situation that should be corrected.

 At Linens of the Week, Bronx, New York, vice-president Phil Sobin says pressing is the most abused department in a laundry.

He came to this conclusion after spending an entire year visiting linen supply plants throughout the country.

"Not one of the plants," says he, "had any idea of what production they wanted to get in the pressing department."

Continued on page 81

There's an easier way

Whether it's skinning a cat or folding shirts, there's always more than one way to do the job. The easiest way leads to greater production.

START AT THE BEGINNING

Since you can't change everything all at once, start with those that promise the greatest savings. Ask yourself these questions:

- To what extent is the job a bottleneck?
- What percentage of total activity does this represent—measured in payroll dollars or number of employees?
- Have we had many complaints about this job from employees and/ or customers?
- Can we get the workers here to cooperate?

MAKE A PROCESS FLOW CHART*

Having decided what department we are going to work on, the next step is to make a Process Flow Chart for the operation. This is merely a record of the various steps in a process in the order in which they occur. The steps may be classified in three basic ways—operation, transportation and storage.

ANALYZE THE PROCEDURE

Having worked out the flow chart, you next check each step with the five W's. Ask yourself—

- · Why is this step necessary?
- · What purpose does it serve?
- · Where should it be done?
- · When should it be done?
- Who is best qualified to do it?
 How should it be done?
- ALOW SHOULD IN DO GOT

MAKE YOUR DECISION With this analysis in h

With this analysis in hand, you should then ask yourself these questions to arrive at a decision:

- · Can I combine jobs?
- · Can I rearrange jobs?
- · Can I eliminate jobs?
- · Can I simplify jobs?

The use of a flow chart can be applied to almost any operation in the laundry with equally interesting results. And a simple analysis can often lead to important saving in time and impressive increases in production.

*See page 82 for example

Errors in leadership: their consequences and correction

Errors in leadership	Probable result if not corrected	Suggestions for improving
Unfairness Partiality	Lose respect of favored ones—Arouse resentment of others	Put yourself in other's place— Play no favorites
Setting bad example	Contagious—Others will "follow the leader"	Review own actions (or lack of action) from this standpoint
Shirking responsibility	Creates dissatisfaction—Impairs morale —Is also contagious	Never "pass the buck"—Shoulder own responsibilities
Quick-tempered	Men become uneasy and resentful	Develop sense of humor
Lack of patience	Men unwilling to admit when they don't understand	Take things more slowly—Work on self-control
Lack of consideration	Men will not respond to motivation or appeal	Be "human"—Allow for shortcomings of others
Too familiar with men	Loss of discipline	Maintain reserve befitting position of leader
Unapproachable	Loss of cooperation	Take closer personal interest in each man individually
Failure to establish understanding	Suspicion—Lack of confidence	Talk matters over on man-to-man basis
Inconsistent	Hesitation—Lack of initiative	Adopt a uniform policy and adhere to it
Ignorance of job	No respect or confidence Men won't follow lead	Study and continual practical experience
Unwilling to take suggestions	Loses cooperation and loses benefit of valuable ideas	Deliberately ask for advice
Failure to give credit	Creates resentment and kills initiative	Commend privately and publicly
Failure as instructor	Men cannot perform work properly	Learn recognized training procedures and use them

-National Institute of Rug Cleaning

Continued from page 79

He felt that there wasn't much work being done to improve finishing equipment. And beyond this, the plant operators themselves completely overlooked the number of people they have "servicing" the work — feeding it, shaking it and putting it away. As a case in point, he recalls visiting one plant which had 43 employees engaged in servicing.

Incidentally, Linens of the Week has a one-girl shirt unit which is said to produce up to 150 short-sleeve work shirts per hour.

into per nour.

New equipment, of course, is not the entire answer to the cost reduction problem. Much depends on the way the equipment is used.

An industrial engineer recently conducted some time studies on automatic wrapping-table operations. Under normal circumstances, the operator could maintain a 112-bundle-per-hour standard. With an incentive, she could do up to 140. But when she had to include a bundle insert in each bundle her production dropped to 100 bundles an hour. And it dropped still further to 88½ when she had to affix a sticker to the bundle in addition to the stuffer.

SYSTEM AND CONTROL

Every plant has some system to coordinate the workings of its three major departments—sales, office and production. The most efficient system is the one that keeps these departments carefully in balance.

If one gets too much attention the others cannot help but suffer for it. A management that devotes the greatest part of its efforts to increasing sales inevitably falls behind in its production quality so that the firm loses customers just about as fast as they come in. A management that becomes too absorbed in production may lose out by neglecting its books.

The only way that management can be sure of being in balance is to set up controls to make certain the system is working as it should. The controls in this case are records—costs, production, quality, etc. Records are the basis for scientific management, yet oddly enough, few plants keep the records they should.

Kenneth Weiser of M. R. Weiser & Company, New York City, recently observed: "While production records are not new, few plants follow up on a consistent daily basis. This is especially important information for management not working on the floor to have."

The records need not be detailed, explained Mr. Weiser. But every management should know how many pounds or pieces are produced daily in every department and the number of hours worked. The key to cost control in production areas is POH (production per operator per hour) which may be obtained by taking the total number of pounds produced and dividing it by the number of worker hours. With this information it isn't too difficult to set up standards for every department.

A rigid statistical production control has these advantages, says Mr. Weiser:

1. It encourages consistency in meeting production standards.



President, Diaper Service Industry Association Long Island Diaper Service Hempstead, New York

"Sales. You've got to spend money to promote business and do a little more than just cross your fingers. Productive labor costs run under 10 percent. Sales are most important." 2. It enables management to set up, quite simply, a productive payroll goal it wants to reach. For example, if you get 20 cents a pound and your average hourly pay rate is one dollar, each worker must produce \$4 worth of work every hour in order to maintain a 25 percent productive payroll—which is not an unrealistic figure.

 It helps in planning daily work requirements in advance and it gives you a good indication of your supply requirements for the period.

Of course, knowing what your organization is doing is half the battle. But knowing what to do to correct a bad situation is one of the distinguishing differences between a topnotch and mediocre management.

. . .

INGENUITY AND INITIATIVE

When you've gone as far as you can go to get your costs in line and it's still not enough, the progressive management can't stop there. It must use ingenuity and initiative to find the answer.

The New York Hospital in Manhattan has a cost-conscious laundry manager who eliminates the 3-inch hem from the tops of bed sheets so that the sheets are not put on the bed the same way each time—thus prolonging linen life by distributing wear and tear. The diapers from the maternity ward in this hospital are also sewn to eliminate the time-consuming folding operation.

Another institutional laundry manager from the Barnes Hospital Group, St. Louis, Missouri, also advises his colleagues to consider finishing costs where they have a say in uniform selection. By way of explanation, he points out that a particular uniform with which he was acquainted required only nine lays, while another under consideration took 16. The difference in finishing production time was 40 hours for one as compared to 100 hours for the second.

Modern Silver Linen Supply Company, New York City, took the cost-saving sling-extraction idea back a step further to the sorting department to eliminate 70 to 80 percent of the labor required to load and pull work in the washroom. Sling-washing of 150-pound loads gave it good results

TYPICAL LINEN HANDLING FLOW CHART

			STEP
Distanc	Time	0	Take out of chute into
Distance traveled	Time elapsed	s	(Depends on circum- stance, especially weekends)
bed	4	->	Truck pushed to laundry
		0	Unload truck
		S	(Depends on circum- stance)
		0	Sort
		D	Before washing
		->	To washroom
		0	Load washwheel
		0	Wash
		0	Unload washwheel
		\rightarrow	To extractor
		D	(If extractor is being used)
		0	Load extractor
		0	Extraction
		0	Unload extractor
		-	To finish (depending on classification)

MEANING OF SYMBOLS

- O-Operation
- →—Transportation
- -Inspection; weighing
- D-Delay
- \$-Storage

with no additional time over conventional methods.

RESEARCH

If you can't solve your problem by yourself, one solution is to compare your method of doing things with those of another operator who seems to be having better luck. If the problem still can't be solved between you, then it might possibly be turned into a group project if the interest is wide enough.

Several years ago, the Industrial Launderers association conducted a successful research project which resulted in prolonging the life of rental uniforms. They got together with several dye houses and developed a relatively inexpensive method which restored faded uniforms to a state where they were acceptable for reuse. The association patented the redyeing program and only its members are

entitled to use the procedure free of charge.

The American Institute of Laundering developed its Public Relations program through member-sponsored research. And another project is now under way to study the possibilities for reducing distribution costs.

▲ The Diaper Service Industry Association sponsors a continuing research program on washroom procedure. One of the most recent results of this activity was a break-through in reducing diaper rejects. The break-through is not a rewash formula but part of the regular washing formula. It is unorthodox in that it involves the use of acid on the break.

Costwise, this represents an increase of only 10 cents per 100 pounds of work and an extra 3 minutes in the wash cycle. Normally, the rejects average 6 percent per load and rewash costs are greater than the cost of washing.

The Hospital Bureau, Inc., New York City, advises laundry managers and purchasing agents on the service-ability of fibers, fabrics and finishes. It has more than 200 members.

For many years industrial laundry managements have been disturbed by the fact that the major oil companies feel they must have distinctive uniforms for gas station personnel.

This policy has an effect on the uniform rental business in every community. But there is very little that one plant can do about it on the local level. So in recent years industrial launderers have gone after these national accounts collectively.

One of the problems is that the major companies tend to favor ornate, expensive, unserviceable uniforms which are not part of the industrial laundry plant's inventory. It would be a terrific expense, also, because the oil companies want both summer and winter uniforms.

In a move to discourage this tendency, the industrial launderers set up a free uniform consulting service. This fell short of its intended goal since the oil companies used it to test uniforms they had already selected prior to consultation.

The problem hasn't been resolved as yet, but the industrial launderers haven't given up. At the present time, they are engaging the services of a market research organization to find out exactly what the public's attitude is toward servicemen's uniforms. The launderers hope it will show the public is not impressed by fancy trimmings so much as it is by the cleanliness of attire.

LONG-RANGE PLANNING

While management must concentrate on improving its services, it cannot ignore completely the outside pressures that are working to make present laundry methods obsolete. For example—

• The vice-president in charge of planning at Philco Corporation recently announced that he sees "waterless washers" a household reality by 1970. The "waterless washer" process, he explained, would enable the homemaker to launder and/or dryclean virtually all items of wearing apparel and household textile products. The process is still in the laboratory stage and the key to its ultimate success rests with the discovery of a proper cleansing solution and finding a way to reclaim it for reuse.

• In England, a scientist says that it's possible to launder using atomic



JOSEPH A. ROBERTSON President, Linen Supply Association of America Rutter's Laundry, Inc. Lawrence, Massachusetts

"It all boils down to sales. Production doesn't mean anything unless you have enough volume to work at capacity. Diversification helps to give you a steady volume, but the services must be sold. Selling is the key." energy. Experiments are currently being conducted to discover the effects of radiation on hospital bedding. If it proves to be successful, bedding and blankets may be sterilized by radiation without the need for detergents or hot water.

- In Montgomery, Alabama, they are working on a new type of hospital which may revolutionize medicine in the United States. The hospital has no operating rooms, no bathrooms, no kitchen, and no laundry. Everything centers around the patient's bed. And disposable linens will eliminate the need for laundering facilities.
- Paper continues to make inroads which affect every facet of the laundry industry, from wiping towels to table linens and even baby's diapers.
- Synthetic fabrics and wash-andwear cottons are also being pushed to "cut down on laundry bills."
- New chemicals are also being developed to make it easy for our customers to do their own synthetic garments.

Some of the above-mentioned projects are still in the dream stage. But someone is working hard to turn these ideas into reality. And in this day and age almost anything is possible.

It is not our intention to be alarmist. But if—as many laundry managements seem to think—the time is coming when it will no longer be profitable to stay in business, then the only alternative is to reexamine our basic methods of doing things and see how we can do them differently. This, of course, takes long-range planning and it must be a group effort since few individuals have the financial resources to do it alone. Some segments of the industry have already started in this direction.

The All-American Research Foundation, which is made up of a small group of farsighted men, has engaged the Stanford Research Institute to develop a new machine to handle flatwork.

Progress to date: A prototype machine is said to run at 100 feet per minute. It washes with no tensile strength loss in a few thousandths of a second. And dries (by superheated explosion). It appears no flatwork ironer will be needed since the final polishing roll seems to be sufficient.

The machine will be 12 to 14 feet long, possibly half the width of a JOHN KENNEY

Director of Laundry and Linen New York Hospital New York, New York

"Be sure you know what you're doing. Our customers are always with us, so we don't have a sales problem. But we just can't take the work and push it out. We must know how much we're producing on each unit. Keep the proper records and stay on top of them."



sheet since it appears that the flatwork may be fed doubled. Water and standard detergents are currently being used in these experiments.

If the machine proves successful it may enable laundrymen to price their service at 5 to 10 cents per article. This particular project may also include a new shirt laundering unit which ultimately may produce work at the same price as flat pieces.

• The Linen Supply Association has been experimenting with a similar continuous washing-drying type of machine for the past four years.

The group's research committee also anticipates a single-roll ironer capable of operating at speeds of 300 feet per minute, and is investigating the feasibility of perfecting an automatic inspection device to go between the iron and folder. According to the latest reports such a device is within the realm of possibility. It would incorporate a scanning eye fine enough to distinguish between stains, stripes and property marks.

The group is also investigating the feasibility of sorting work using magnetic inks.

Not all of the LSAA's research activities are directed at finding new machines. The organization is also on the lookout for new products and markets. Here are some of the ideas suggested to date—

- a package service for homemakers which would include home washer repair in exchange for hard-to-do items such as sheets and shirts.
- a continuous table linen dispenser for restaurants which rolls up under the table.
- disposable bed sheets served from a dispenser at the foot of the bed for hotels and motels.
- bad-weather rental service offering protective covers for rugs and floors.

- · linen venetian blind service.
- One study on fabric blends showed that even a small (16 percent) mixture of nylon and cotton prolonged fabric life by almost 300 percent.

(Interestingly enough, while the industry as a whole is sold on cotton, it is gradually getting around to admitting that some synthetics are better for certain purposes. Some synthetics, for example, are acid-resistant, which makes them better suited for such things as fender cloths and certain uniforms in specialized industries.)

- Paper substitutes have been the talk of the trade for at least 50 years. The industrial launderers got tired of hearing about the threat of disposable work clothes and two years ago went out to get the facts. They hired a research company to go out and make a test under actual work conditions. Results: the paper uniforms were good for only a single day's work. The industry has no fears that paper will replace cotton uniforms just now but it is watching further developments in this area.
- More and more paper products are coming into use every day. There are towels, tissues, napkins, party tablecloths, place mats, bath mats, paper dickies, etc. So much so that Bob Place recently suggested that family laundries might well get into the business to regain lost sales volume. Says he:

"The linen supply portion of our industry learned a number of years ago that many advantages of paper can't be outsold by the higher quality of cloth. Result? Many linen suppliers are actively in the paper selling business—and doing well. Furthermore, it has kept them in with their accounts on the laundering side, too. And it hasn't proved to be a ridiculous idea at all."

PRODUCTION AND MANAGEMENT

Washroom information

BASIC LAUNDRY SERVICES

The confusion of names for various family laundry services has prompted the American Institute of Laundering to take steps to standardize them. The names chosen are:

1. Fluff-Fold—everything washed, dried and folded. Nothing finished.

2. Fluff-and-Finish—linens and shirts finished. Other items fluff-dried.

3. Ready-To-Use—all items completely finished.

4. Bachelor—a special service for men, consisting mostly of shirts; priced by the piece.

5. Linens—luxury service for sheets, pillowcases and table linens.

6. Household—care of draperies, curtains, pillows, throw rugs and other household furnishings.

7. Drycleaning—regular drycleaning service.

GALLONS OF WATER IN LOADED LAUNDRY WASHERS

(Wheel in motion; clothes saturated)

61							Inches	gauge						
Size (Inches)	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"
30 x 18	2	4	6	8	10	12	15	18	21	24	27			
30 x 30	4	6	8	11	14	18	22	26	30	34	38			
32 x 30	7.5	9.5	3.3	13	15	17	20	22	24	26	29			
34 x 24	5.5	8	10.5	13	16	18	21	23.5	26.5	30	33	36	40	
36 x 36	11	14	17	20	23	26	30	33	36	40	44			
36 x 54	16	21	25	30	34	40	45	50	55	60	66			
36 x 64	19	24	30	35	40	46	53	58	64	70	77			
36 x 72	22	28	34	40	46	52	59	66	73	80	88			
36 x 84	25	32	39	46	53	61	70	77	8.5	93	102			
36 x 96	29	37	45	53	61	69	80	88	96	106	116			
42 x 36	15	20	23	27	31	34	37	39	43	46	50			
42 x 54	25	33	38	40	50	56	60	65	74	77	82			
42 x 64	27	35	41	47	54	60	65	70	76	82	88			
42 x 72	30	39	46	53	61	67	73	78	86	93	100			
42 x 84	35	46	54	62	71	79	85	91	100	108	116			
42 x 96	40	53	62	71	81	91	98	104	115	124	133			
44 x 36	17	22	25	30	34	37	41	. 43	47	51	55			
44 x 54	25	33	37	45	51	56	62	66	72	77	83			
44 x 72	33	43	51	58	67	73	80	86	94	102	110			
44 x 84	38	50	60	68	78	84	94	102	107	119	129			
44 x 96	45	59	67	80	91	99	110	115	125	136	146			
44 x 108	50	64	77	87	100	108	120	132	139	153	166			
14 x 120	57	73	8.5	97	111	120	134	145	154	170	184	196		
48 x 84	54	66	80	94	106	123	137	152	162	180	192	208	224	
48 x 126	80	100	120	140	160	183	203	224	247	268	290	313	337	
54 x 84	60	72	85	100	115	130	145	160	175	189	204	220	235	250
54 x 126	90	108	127	149	170	192	213	236	258	280	305	329	351	374
50 x 96	65	89	100	117	135	153	173	190	209	229	245	262	280	300
50 x 126	8.5	115	132	156	180	203	227	249	272	297	320	344	368	390

The table above indicates gallons of water added after saturation of load to obtain various gauge readings. The table may be useful to find the volume of water required for any washing cycle. Dry clothes absorb between one-third and one-fourth of a gallon of water per pound. A 36-by-54 metal washer, 165-pound load, using a formula of 4 suds at 3 inches and 5 rinses at 9 inches will require a total of 384 gallons of water or roughly 2.3 gallons per pound:

Absorption .3 gal. per lb.,
$$.3 \times 165 =$$
 50 gal.
Suds $4 \times 2I$, gal. at 3 inches = 84 gal.
Rinses 5×50 , gal. at 9 inches = 250 gal.
Total water required = 384 gal.

384 ÷ 165 = 2.32 gal. per pound

PIPE SIZES REQUIRED

Was	he	r Di	Q.	ne	te	er																			Siz Wate	-	-
24"	to	28	11																		e		 , 1	i	nch inch		
30"	to	40	52																				 1	1/	inch		
36"	1	woo	d)																				 . 2	ii	nches		
36"	× 3	36"	10	,	7	2'	y	1	m	e	a	11				 	 					 	2	n	2 1/2		nche.
40"	to	44	80	-	w	0	od	1)						*									 2	ir	ches		
																									2 1/2	ii	iche:
																									inch		
48"	x (50"	1	m	el	a	1)										 	. ,				 	3	ir	ches		

Source: AIL

Source: AlL

Water connections should be capable of filling and emptying the wheel at maximum water heights in less than one minute. A 42-by-84-inch metal washer should fill to 10 inches—130 gallons—in about one minute.

WASHER REVOLUTIONS PER MINUTE

Dependent on Rib Height

Diameter			н	leight o	f Ribs			
of Wheel	2"	3"	4"	5"	6"	7"	8"	9'
24"	37	34						
28"	37	33	30	27				
32"	37	33	30	27	24			
36"	37	33	30	27	24	22		
42"	36	32	29	26	24	22	20	18

Source: AlL

Washer speeds should be from 18 to 37 revolutions per minute dependent on the height of ribs. With an increase in rib height, fewer revolutions per minute are required to carry load to point of drop.

DRY CLOTHES

- 1. Occupy approximately 0.243 cubic feet per pound.
- 2. Weigh approximately 4.11 pounds per cubic foot.
- 3. Displace about 0.0125 cubic feet of water per pound.
- 4. Weigh approximately 0.033 pounds per square foot.
- The correct load for a washer is approximately 5 pounds per cubic foot. A washer will therefore be correctly loaded when it is about 80 percent full of dry load (not packed down hard).
- 6. Absorb about 0.3 gallons of water per dry pound.

WET CLOTHES

- Occupy approximately 0.11 cubic feet per pound of dry clothes.
- 2. Weigh about 3.48 pounds per pound of dry clothes.
- 3. Weigh approximately 31.8 pounds per cubic foot.
- 4. Occupy approximately 0.0314 cubic feet per pound.
- Contain approximately 9.12 pounds of dry clothes per cubic foot.
- 6. The correct load for a washer is approximately 5 pounds

per cubic foot. A washer will therefore be correctly loaded when it is about 55 percent full of wet load (with the washer drained).

STANDARD CAPACITIES

Maximum Pounds Dry Per Inch and Per Foot of Length

Diameter	Per I	nch	Per F	pot
of Wheel	Metal	Wood	Metal	Wood
30"	2.00 lb.	1.68 lb.	24.0 lb.	20.0 lb
36"	3.05	2.36	36.6	28.3
42"	4.17	3.40	50.0	40.8
44"	4.58	3.75	55.0	45.0
54"	6.88	4.80	82.7	57.6

Source: AlL

Knowing the maximum pounds of dry weight of soiled linens per foot or per inch of length, it is possible to obtain an approximate washer load limit. For instance, a metal wheel 36 inches in diameter will take 3.05 pounds per inch of length: $3.05 \times 54 = 164.7$, maximum load for a 36-by-54 washer.

OPEN-END WASHERS

Manufacturers' Rated Capacity in Dry Pounds of Clothes

Diam.					Lengt	h or	Depti	h of	Whee	1			
Wheel	13"	14"	15"	16"	18"	20"	22"	24"	25"	26"	28"	32"	42"
20"						15							
22"									25				
27"			20										
28"	18			25									
30"		25	30		35						50	55	60
32"								50					
34"								60					*
36"			25	35	50		60	60		75			
42"								100		100			

METAL WASHERS

In Dry Pounds of Clothes

							1	ength c	of Wash	er					
Diameter of Wheel	Pounds Per Cubic Foot	30"	36"	38"	42"	44"	48"	54"	64"	72"	84"	96"	108"	120"	126
36"	4.0		85	89	100	104	113	127	151	170	197	226			
38"	4.0		94	100	110	115	126	141	168	189	221	252			
38" 42"	4.5		130	135	150	158	173	194	231	260	302	346	390	433	453
44"	4.5		142	150	167	174	190	214	254	285	333	381	428	476	500
48"	4.5		170	179	198	210	226	254	301	339	395	452	509	565	595
54"	5.0		238	250	278	291	318	357	424	477	556	636	715	795	833
60"	5.0		294	310	343	360	392	441	523	589	687	785	883	982	1033

Source: AIL

Recommended loads for washwheels can be only approximate. The correct size of the load will vary with type of work being handled, the degrees of soil and individual plant conditions. Capacities given are meant to serve as a guide. The recommended loads are based on a sliding scale of from 4 to 5 pounds per cubic foot, Maximum capacities given here are based on 5 pounds per cubic foot, although some manufacturers suggest that peak loads may run 5 pounds to 6 pounds per cubic foot, the latter, of course, for the largest size washers.

For the purpose of comparison we include a listing of

washer capacities as given by manufacturers (page 87). These ratings apply where it is desired to get full capacity from the open-pocket cylinder, and there is no objection to removing some of the work so that the horizontal partitions can be easily inserted for unloading.

Where it is not considered desirable to remove any work before inserting the horizontal partitions the ratings are less. For example, capacity ratings are 20 pounds less for the 42-by-36-inch washer; 25 pounds less for 36-by-54 and 42-by-54 machines; 50 pounds less for 42-by-84 and 42-by-96-inch washers, etc.

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WEIGHT OF FAMILY LAUNDRY ITEMS PER 100 PIECES

Po	unds	Pounds	Pounds
riprons, source visiting	50 Napkins, Cont'd 20 24 x 24"	13.5	Stockings, Silk (100 Pr.) 7.5 Golf (100 Pr.) 10
	25 27 x 27"		Table Cloths, Cotton, 54 x 54" 70.6
Blankets, Single Cotton 3	00 Nightgowns		63 x 63" 96.5
Double Cotton 6	00 Nightshirts, Light Cotton		72 x 72" 126
	00 Nightshirts, Heavy Cotton		72 x 90" 158
	00 Overalls		90 x 90" 197
	Pajama Coats, Light Cotton		Table Covers, Cotton, 42 x 42" 55
Cuses, Illion, 12 not	Pajama Pants, Light Cotton		48 x 48" 72
	35 Pants, Boys'	50	49 x 49" 75
14			Towels, Bath, 18 x 36" 39.5
Collars	4 Sheets, 50 x 90"		18 × 40" 43.5
	5 63 x 90"		19 x 39" 45
Doilies	6 72 x 90"	152	21 x 42" 53.5
	25 72 x 99"		22 x 40" 53.5
	60 72 x 108"	183	23 x 46" 64
	34.5 81 x 90"	171	25 x 48" 73
Face Cloths	4 81 x 99"		25 x 50" 76 29 x 55" 97
Handkerchiefs, Men's	3.3 81 x 108"		
Handkerchiefs, Ladies'	3.3 90 x 99"		Towels
A STATE OF THE STA	O Shirts, Men's, C. & C. Attached	228	Kitchen
			Roller, 100 ft 500
	Shirts Work		Tray Cloths
Jumpers, 26 oz 16	Skirts	. 75	Trousers 131
Laundry Bags	5 Socks, Cotton, Pair		
Mats, Bath			Undershirts, Men's Light 18.5 Men's Heavy (No Slv.) 34.5
Mattress Covers 20	O Spreads, 72 x 90"		
Napkins, Cotton, 17 x 17"	6.4 72 x 104"		Underdrawers, Men's Light 15 Men's Heavy (Knee Length) 35
	80 x 90		Ladies' Heavy 30
	8.5 86 x 104"		Unionsuits, Light (No Slv.) 30
	9.4 90 x 96"		Heavy 100
	1.4 100 x 104"		Undervests, Ladies'

Source: AIL

WEIGHT OF LINEN SUPPLY ITEMS PER 100 PIECES

	Pounds	_	Pounds		Pounds
Aprons	50	Mats, Bath, 201/2 x 29"	75	Spreads, 54 x 90"	260
Aprons, Bib	48	26 x 50"	200	90 x 100"	394
Butcher	50	Mats, Steamship Bath	122	Steamship 1/2	179
Hoover	00-106	Steamship Table	175	Steamship 3/4	212
Steamship Cooks'	41	Mattress Covers, Steamship	185	Steamship Full	262
Waist	32.2			Tablecloths	60
Wash	32.2	Napkins	11.1	Steamship Small	120
		Steamship	15	Steamship Large	197
ags, Steamship Canvas	269	Table, 26 x 26"	16.6	Tidies	38
erth Bottoms, Steamship	120			Tops, Table, 45 x 45"	50
ungalows	75	Overall Coats	106	Towels	
ungalow Aprons	50	Pants	150	Barber	11.2
lankets, Steamship	250	Pants	100	Bath, 24 x 44"	75
ops	10	Steamship Waiters'	125	Face, 21 x 44"	28
ases, Pillow, 38 1/2 x 50"	43	Pullman Blankets	325	Glass, 17 x 33"	12.5
Pullman Pillow	23.3	Hand Towels	12.5	Glass	16.9
loths, Hair	42.2			Hand	15.9
Steamship Hair	60	Pillow Slips	22	Individual	6.0
loths, Hand	25	Sheets	112	Kitchen	15
Table, 70 x 70"	156	Rags	6	Kitchen, 17 x 30"	18.8
Head Rest	16	augs	0	Pullman	15
oats, Short	106	Settee Covers, Steamship	125	Roller	42.6
Butcher	225	Sheets, 63 x 90"	133	Side, 17 x 34"	16.7
Steamship Cooks'	125	90 x 108"	228	Silver, 17 x 30"	25
Steamship Waiters'	125		112	Small	15
Steamship Butchers'	225	Pullman		Soda	16.9
urtains, Steamship Shower	75	Steamship 1/2, 54 x 99"	122	Steamship Barber	15
		Steamship ¾, 63 x 99"	138	Turkish	47
oilies, Table, 11 x 11"	3.1	Steamship Full, 72 x 108"	195	Trousers, White	131
resses	50	Shirts	50	Uniforms	100
usters, Steamship	25	Slips, Pillow	30.8	Unionalls	187
ocks	200	Steamship Pillow	33	Vests	50

Source: AlL

WASHER MANUFACTURER RATINGS

In Dry Pounds of Clothes

							Length	of Wash	ner					
Diameter of Wheel	30"	36"	42"	48"	54"	64"	72"	84"	96"	104"	108"	120"	126"	160"
24"		48												
24" 30" 36" 42" 44" 48" 54"	60	70	80	95										
36"	90	110	125		165	195								
42"		150	175	200	225	265	300	350	400		450		510	
44"					245	300	330	385	440				575	
48"								460	535			680	715	
54"								600	680				900	
60"									900				1200	
60"										1200				1800

COMBINATION WASHER-EXTRACTORS

(Manufacturer's ratings for end-loading units)

Capacity (1b. dry wt.)	Cylinder Size		Pockets	Wash Speed	Extractor		
25 50	30			Open 2-3	35 1/2 39	1,000	
60	36	x	21	2	32	900	
100	37	×	36	2	32	770	
100	40	×	30	2-3	30	695	
100	42	×	26	2	26	700	
200	44	×	42	2-3	31	700	
250°	44	X	50	2	24	635	
250-275	54	×	36	3	25	600	
300	54	×	42	3	17	500	
375-400	60	×	44	3	21	548	
380°	46	×	69	2	23	650	
400°	44	X	80	4	24	635	
600*	46 1	x 1	10	4-6	23	615	
600-650	72	×	44	4	171/2	450	

^{*} Side-loading units

Combination washer-extractors currently are offered by ten or more manufacturers, in sizes ranging from 25through 625-pound capacities.

Most of the machines have divided-pocket cylinders, either horizontal-partition two-pocket or Y-partition three-pocket, and of the end-loading design. Some of the smaller machines have open-pocket cylinders. And one manufacturer makes a conventional side-loading horizontal pullman-partition machine in 250-, 380-, 400- and 600-pound sizes.

The recommended load capacities range from 4.5 to 5.7 pounds clean, dry weight per cubic foot of cylinder volume, depending on the size of cylinder diameter and whether horizontal-partition or Y-partition design is used.

Production rates per operator hour are said to be at least two to three times higher than those possible with conventional equipment because the unloading of wet work and double handling from washer to extractor have been eliminated

Quality washing is being achieved with shorter formulas using short extractions between rinses and even after flushes on the longer formulas. The number of rinses is said to be cut in half over the conventional formula.

Savings in wash water are 20 to 50 percent, depending on the length of formula normally required for various types of soil. (Combination units have been installed in industrial, institutional, linen supply, family and diaper plants.) Other savings are cited in lower water heating costs and floor space requirements.

Extraction efficiency obtainable in washer-extractors is said to be generally comparable to the efficiency provided by conventional centrifugal extractors. Since the final temperature of the work at the end of the formula need not be cooled to permit handling for transfer to the separate extractor, the start of the final extraction in a washer-extractor

can be hotter. It has been demonstrated that extracting the load hot results in efficient extraction in less time than is required with conventional extractors.

Manufacturers generally recommend installation with a concrete foundation under each machine. The size and type depend on the structure of the plant and soil conditions. With proper installation there is no vibration problem.

RECLAMATION OF STAINED LINENS

There are many methods to reclaim linen ranging from single-piece treatment to bulk formulas. The bulk treatment method is described here.

Most plants collect stained linens until they have a load and then rerun in a formula that is the same or a little stronger than their regular washing formula. This is known as a "washover formula." The good pieces are then picked out and the remainder are rerun again. The danger in this method lies with successive rewashes. For extra bleach is generally used at high temperatures, and linens suffer high strength loss.

A linen reclamation formula differs from a washover formula in that it is designed to restore linens to usable condition in one treatment. Instead of being rewashed, unsatisfactory pieces are downgraded for use in other departments. For example, a stained towel might well serve as a wiping cloth while it still had some value. It takes confidence in a formula, of course, to know that if pieces are not cleaned up they should be put to another use or discarded.

A good reclamation formula should remove metallic stains, bleachable stains, oil and other types of stubborn stains.

Some of the early reclamation formulas required linens to be "boiled out" in a special tank and then transferred to a washer for the final operations. This is a messy procedure and requires extra equipment and handling. All that is needed is a metal washer with a steam connection. A metal washer is preferred because a wooden cylinder can become channeled by prolonged use of live steam.

The reclamation formula on page 88 uses chlorine. It is used only for white cotton work, since colors will "print off" in strong, hot solutions of soap and alkali. This is true even of so-called fast-colored garments,

This formula is sometimes described as a "reverse sour" formula because the sour is run first. The sour is run first for good reasons: First, to remove rust before bleach has a chance to act on it and cause localized damage. Second, it helps to remove lime soap and uncover stains in order that the bleach may act on them. And third, it places the boil operation containing soap last where it helps to restore lubrication to the linens to make them iron more easily.

Note that the bleach operation differs from most in that it is run cold. It follows the boil-out to reduce the supply

Continued on page 88

Continued from page 87

concentration to the point where efficient bleaching can be obtained and it also reduces the temperatures to 100° F.

The combination of a long bleaching cycle, low temperatures, and high concentration of bleach put together the necessary conditions for very effective bleaching with safety. The two quarts of 14 percent bleach suggested in the formula give tensile strength losses of about 7 percent. On badly stained work this is not considered excessive where a large percentage of the load can be returned to service.

This formula is very flexible. For example, if your stain work does not contain grease or heavy-set stains that require boiling, replace the boil with a light suds to remove any accumulations of catch dirt and then go into the bleach. It is also possible that the load has bleachable stains only and can go into the bleach operation at once, leaving both the rust and grease removing operations out of the formula.

Another variation of this formula is to allow the boil operation to set overnight and bleach the following day. This sometimes gives exceptionally good removal of deep-set stains

Source: Philadelphia Quartz Co.

COTTON WHITE WORK Special Reclamation Formula (chlorine bleach)

Operation	Degrees Fahrenheit	Water Inches	Time Minutes	Supplies per 100 Lb. Load
1. Flush	Hot	12	3	
2. Sour	160	6	15	3/4 lb. oxalic acid or 1 lb. ammonium acid fluoride
3. Flush	160	12	3	
4. Flush	160	12	3	
5. Flush	160	12	3	
6. Boil out	200	6	1 hr.	5 lb. sodium sesqui- silicate ½ pt. pine oil (op- tional) Heavy suds
7. Flush	160	12	3	
8. Flush	140	12	3	
9. Flush	120	12	3	
10. Bleach	100	6	1 hr.	2 qt. 14% bleach
11. Rinse	140	12	3	
12. Rinse	160	12	3	
13. Rinse	160	12	3	
14. Rinse	140	12	3	
15. Rinse	120	12	3	
16. Blue	100	12	3	

Load wheel to approximately 60% of rated capacity

RECLAIMING NYLON AND DACRON

White nylon and Dacron garments tend to turn gray and build up soil as a result of continued home washing in hard water. These synthetic fabrics can be reclaimed and returned to use by applying the following procedures,

Low temperature (100° F) washing with low-titer built soaps or synthetic detergents generally is recommended for lightly soiled synthetic-fiber fabrics. However, a more thorough washing procedure is required to clean heavily soiled items.

The following washing formula will improve the appearance of many of the heavily soiled synthetics.

Operation	Water Level	Temperature	Time	Supplies
Suds	Low	130-140° F	6-8 min.	Built soap
Suds	Low	140-150° F	6-8 min.	Built soap
Suds	Low	140-150° F	6-8 min.	Built soap
Rinse	High	140-150° F	3 min.	
Rinse	High	120°	3 min.	
Rinse	High	100°	3 min.	
Rinse	High	100°	3 min.	
Sour	Low	100°	3-5 min.	

Note: Temperatures below 160° F are recommended because higher temperatures will set wrinkles in these thermoplastic fibers,

Extractor pressure will also set wrinkles. Avoid this by drip-drying or by giving the items only a light extraction.

Finish nylon by steam pressing because the heat of hothead pressing will turn nylon yellow.

Source: AIL

ABSORBENCY OF SELECTED COTTON FABRICS

	Fabric	seco	Rate, ands to amerge	Capacity, pounds water held per pound of fabric
1.	Terry cloth		9	4.4
2.	Flannel		9	4.1
3.	Gauze (marquisette)		4	4.0
4.	Bird's-eye		5	3.7
5.	Toweling (huck)		5	3.0
6.	Twill		21	2.3
7.	Duck			2.2
8.	Drill			1.9
9.	Sheeting		18	1.8

Source: The Diaper Service Institute of America

Note that rate and capacity figures vary through rather wide limits. While all sheeting will not have identical rates and capacities, the figures above serve as good approximations for what may be expected.

Absorption data are of value to diaper laundries using compounds which reduce the absorbency of textiles since they help control washroom application. Many plants use a quaternary ammonium compound as a softening agent.

MILDEW CONTROL

Many linen supply plants and diaper laundries use a 20 percent water solution of mildew preventative to protect their materials.

Perhaps the simplest procedure followed is to prepare 30 gallons of 20 percent stock solution by placing 50 pounds of preventative in a suitable container, add 30 gallons of water and stir vigorously until all preventative is dissolved.

The stock solution should be added to the final rinse, before the souring rinse. This is important since the stock solution will precipitate from acid solution, hence giving little or no protection.

The proper procedure is outlined thus:

- 1. Follow the regular wash formula through the final clear rinse and drain.
- 2. Add water till a 4-inch level inside the cylinder is reached.
- 3. Add 20 percent stock solution (the amount must be determined by experience) to the wheel while in motion; allow wheel to run at least 5 minutes before adding sour.

4. Add sour as usual, making certain the pH of the sour bath is 6 or below. (The sour fixes the stock solution in the linen, thus giving the best mildew protection.)

Source: Monsanto Chemical Co.

RADIOACTIVE LINEN

You must be licensed by the Atomic Energy Commission if you wish to process radioactive (contaminated or "hot") linens commercially.

The process is not hazardous and does not require any special laundering equipment. But you must know what you are doing. (You will require the services of a specialist consultant at least on a part-time basis.)

There are three kinds of radioactivity:

Alpha rays belong to the low-level activity group. Isotopes emitting alpha rays are commonly used in hospitals for diagnostic and therapeutic purposes. They have a short life. That is, the radioactivity wears away in a day or so. Linens contaminated with alpha radiation are perfectly safe to handle in conventional ways after a relatively short storage period.

Beta rays belong to the medium-level activity group and

pose other problems.

Gamma rays are the most dangerous and belong to the high activity group.

Each of these groups requires a different radioactivesensing instrument to be detected and measured.

Knowing the beta-gamma activity in terms of "counts

RADIOACTIVE LINEN Medium Activity Group

Operation	Degrees Fahrenheit	Water Inches	Time Minutes	Supplies per 100 Lb. Load
Rinse	130	8-10	3	
Suds	160–170	4–5	8	1—2 lb. anhydrous sodium metasilicate 8 oz. synthetic or neutral soap 4 oz. hexametaphos- phate
Rinse	170	8-10	3	
Rinse	170	8-10	3	
Suds	160-170	4-5	8	Repeat first suds
Bleach (optional)	155	4-5	10	2 qts. 1% bleach
Rinse (optional)	160-170	8-10	3	
Rinse (optional)	160-170	8-10	3	
3 Rinses	160-170	8-10	3 each	
3 Rinses	Cold	8-10	3 each	Sour-blue-starch, optional

per minute" is of no value unless the calibration of the measuring instrument is known, since calibrations differ depending on the type of counter. All calibrations, however, are determined on the basis of milliroentgens-per-hour so that radiation expressed in this term is more universally practical. The safe tolerance dosage range is measurable as 6.25 milliroentgens-per-hour. Radioactive linen must be brought down to this point or lower to be considered safe.

Washing formulas will vary with the degree of soiling and the type and activity of the radioactive substances handled. Some radioactive contaminants can be washed out in plain hot water; some respond to standard fromulas; and still others defy even special formulas.

The two formulas shown here have been devised to meet particular needs and are offered merely as examples.

High Activity Group

Operation	Degrees Fahrenheit	Water Inches	Time Minutes	Supplies per 100 lb. load
Rinse	150	8-10	3	
Rinse	160	8-10	3	
Suds	170	4–5	8	1—2 lb. anhydrous sodium metasilicate 8 oz. synthetic or neutral soap 4 oz. hexametaphos phate
Rinse	170	8-10	3	
Acid bath	170	4-5	6	3% citric acid by weight/100 lb. 3 lb. per 12 gal. water
2 Hot rinses	170	8-10	3	
Suds	170	4-5	8	Repeat first suds operation
Bleach (optional)	155	4-5	10	2 qts. 1 % bleach
Rinse (optional)	160-170	8-10	3	
Rinse (optional)	160-170	8-10	3	
Rinse	170	8-10	3	
Acid bath	170	4-5	6	1.5% citric acid by weight/100 lb. 1.5 lb. in 6 gal. water
2 Rinses	170	8-10	3 each	
3 Rinses	Cold	8-10	3 each	Sour—blue—starch, optional

Formulas should be repeated if necessary to bring activity measurement down to 6.25 milliroentgens per hour, or less.

Source: Philadelphia Quarts Co.

Bluing data

Most blues are supplied in two or three different shades—usually a red-blue shade and a green-blue shade and frequently also an in-between shade known as a blue shade—sometimes referred to as a blue-blue shade. These various shades are all blue, of course, but the proportions of colors in them are altered slightly.

In areas of low bicarbonate alkalinity in the water, most plants prefer to sour at a low water level and raise the level for the blue bath. When sour is applied before blue, shade selection is mostly a cut-and-dry procedure.

All three shades can be applied in an acid bath, although there is often a greater tendency toward grabbing with a green-blue shade than with either of the other two. This doesn't present much of a problem because there is seldom occasion to use a green-blue shade in a "sour-first" formula. The red-blue shade is most often preferred for application after sour with the blue shade running a fairly close second.

When bicarbonate alkalinity in the water is high, it usually pays to reverse the conventional procedure and blue before souring, because it is possible to use substantially less sour to neutralize the alkalinity in 4 or 5 inches of water if the sour bath is the last operation than would be required to neutralize the alkalinity in 10 to 12 inches of water, which would have to be done if the blue were the last operation. If the bicarbonate alkalinity is very high (more than 250 p.p.m. of NaHCO₃) a green-blue shade is likely to be most satisfactory. When the bicarbonate alkalinity is moderate or low (less than 250 p.p.m. of NaHCO₃), the choice is usually between a green-blue shade and a blue shade. A red-blue shade is seldom adaptable to a "blue-first" formula.

Quite a number of laundrymen prefer to blue before souring—even though the water in their plants is low in bicarbonate alkalinity. The idea is not primarily to save sour, but to eliminate spotty, streaky, uneven bluing. There is no guarantee that bluing before souring will eliminate bluing difficulties, but there is some basis for hoping that it will

in a great many cases.

One factor in bluing practice that unquestionably accounts for a great deal of blue-grabbing and similar difficulties is the tendency of some washmen to be in a little too great a hurry to get the blue into the wheel in conventional "sour-first" formulas.

When a load is soured at a water level of 4 or 5 inches with the intention of raising that level to 10 or 12 inches for blue, naturally the amount of sour added at the low water level is going to have to be enough to keep the load sour at the higher water level. So while the water level is still at the low point, the load is consequently oversoured.

If blue is applied to such an oversoured load before the high water level is reached, there is always a very strong tendency for the heavily soured fabrics to grab the blue. Unfortunately, just putting on one or two cold rinses cannot be depended upon to rinse out grabbed blue. Very often the dyeing job thus accomplished requires vigorous washing and sometimes heavy bleaching.

One sensible preventive measure is simply to switch the sour and blue operations so that blue cannot be applied on an oversoured load. When blue is applied to a load ahead of sour, it doesn't fully discharge upon the goods until sour is added. Without risking an uneven "take," this procedure permits a uniform distribution of blue throughout the washwheel solution and throughout the load—before the blue is fully developed. Thus, when the sour is finally applied, the blue on the load can develop evenly. As a rule, either a blue shade or a green-blue shade is more likely to be successful in such formulas than a red-blue shade.

To assure uniform bluing, it is essential that the strength of the stock solution of blue be standardized, Concentrations of 2 ounces of concentrated blue in 2, 5, or 10 gallons of water are satisfactory—so long as the same concentration is

always used.

Generally it seems to be preferable not to add any greater volume of 56 percent acetic acid than of the concentrated blue. If the stock solution is made up by using 2 ounces of concentrated blue in a 5-gallon crock, 2 ounces of 56 percent acetic acid ought to be plenty. Overacidified blue stock solutions have been known to promote a great deal of troublesome blue-grabbing and blue-dyeing. Moreover, although most blues are free from pronounced sedimentation tendencies, any blue is more likely to settle out of solution in the crock if it is highly acidified.

Acetic acid will provide somewhat "longer mileage" on blue, but it is misleading to assume that a quart of blue can be made to last twice as long by adding 2 quarts of acetic acid along with it. All that that sort of thing can accomplish is to promote a muddy blue or blue-gray cast in

the work.

Stock solution should always be carefully measured out in nonmetallic cups or other small measuring containers (glass, plastic or earthenware), diluted in a pail of cold water, and applied evenly across the wheel—preferably with the wheel turning toward the operator—after the water in the wheel has reached the customary level for bluing.

Source: Cowles Chemical Co.

Bleaching data

Bleaches fall into two general groups: oxidizing and reducing.

An oxidizing agent adds oxygen to the discoloration to remove it. A reducing bleach takes away oxygen to accomplish the whitening process. Reducing bleaches also include stripping agents such as sodium hydrosulfite and sodium bisulfite. A stripping agent is used for complete color removal from dyed or tinted fabrics and not for general whitening practice.

The oxidizing agents include sodium hypochlorite, sodium perborate, hydrogen peroxide and potassium permanganate. Of these, only sodium hypochlorite and hydrogen peroxide

are used extensively in laundries.

Hydrogen peroxide bleach is recommended for silks, wools and rayons because of its relative mildness and safety in use. Because the bleaching action and stain-removal properties of hydrogen peroxide on cotton and linen fabrics fall short of the performance of sodium hypochlorite its usage is rather restricted. It is sold on the basis of oxygen content expressed as percentage or volume. The most common forms: 3 percent (10 volume), 30 percent (100 volume).

A 3 percent stock solution is normally made up. If the peroxide is purchased in the 30 percent form it is diluted with nine parts of water to form the stock solution. One pint

of 3 percent solution per 100 pounds of clothes is the amount to use in a bath following the suds, before rinsing. A running time of 10 minutes is long enough at around 150 degrees

Because it decomposes readily, always keep peroxide out of the sunlight and keep foreign material out of the carboy

in which it comes

Sodium hypochlorite is by far the most popular form of bleach used in laundries. It may be made up in various ways but the solution poured in the washwheel is the combination of sodium, oxygen and chlorine corresponding to the formula NaOCl.

Chloride of lime bleach is the old standard of the laundry industry. For years it was the only plant method in use. The method consists of allowing the proper amounts of chloride of lime to react with soda ash or modified soda to neutralize the lime hardness and produce a sodium hypochlorite bleach acceptable for use. A typical formula utilizes 10 pounds of chloride of lime with 10 pounds of soda ash, or 20 pounds modified soda, in 35 gallons of water to give a 1 percent available chlorine bleach. A thin slurry is made with the chloride of lime and part of the water. The alkali is then added and mixed until dissolved. After the balance of the water is added, the solution is allowed to stand until

the sludge has settled. The clear solution is then ready.

High-test bleaching powder (calcium hypochlorite) has to a large extent replaced the chloride-of-lime method because it is more convenient to use. It is available in bulk quantity or in unit cans designed for the preparation of 30-gallon batches of bleach. In preparing stock solutions the calcium hypochlorite is converted into sodium hypochlorite by a procedure similar to that described for chloride of lime bleach. One unit can, containing 3¾ pounds of bleach powder, mixed with 3 pounds of soda ash, or 6 pounds modified soda, in 30 gallons of water, will yield 1 percent available chlorine bleach. If the powder is purchased in bulk quantity the same proportions are used.

In making up bleach by either the chloride-of-lime or high-test bleaching powder methods it is good practice to use a two-tank system. The bleach is made up in one tank, then drawn or siphoned off to the other tank, from which it is used. This system adds a margin of safety in that the sludge particles formed in the bleach preparation never reach the washwheel. Only the clear stock solution is used.

Because it is simple to use, carboy bleach is very popular among laundrymen. It is simply a high-strength sodium hypochlorite bleach of from 12 to 16 percent available chlorine delivered in 5-gallon glass carboys. A 1 percent stock solution is made up by diluting it with water. If the strength of the carboy bleach is 14 percent, a dilution of 1 gallon of bleach in 13 gallons of water will make 14 gallons of stock solution of 1 percent available chlorine strength.

A stock solution should always be used on the wheel. It is too difficult to measure accurately a small amount of concentrated solution and the smaller the load in the wheel

the more difficult this practice is.

How much bleach is used? The less the better. Sometimes this amount may have to be increased slightly but it is well to investigate the remainder of the washing formula first. Excessive use of bleach always means excessive tensile strength losses.

Family flatwork: Generally, 2 quarts of 1 percent bleach are used for each 100 pounds of clothes. Heavily soiled pieces such as dirty wet wash may require larger quantities.

Institutions: One quart or less of 1 percent bleach for each 100 pounds is usually sufficient because of very light soil and frequent washings. Bleach may be required only at intervals rather than with every laundering.

Linen supply: On light soil, 2 quarts of 1 percent bleach for each 100 pounds of work is generally used. Larger quantities may be required on more heavily stained work.

Bleach is used after the clothes have been washed clean—after the last suds and before rinsing. This point is chosen so that the bleach will work on the stains and the fabric instead of being wasted on soil. Some soap or soap regenerator added to the operation before the bleach will give better penetration and dispersal of the bleach through the load. After adding the bleach the suds level will drop, then return to a higher level. The bleach destroys some soap but it strips more soap from the fabrics than it destroys. This results in more suds.

The water level for the bleach bath should be the same or slightly higher than that of the preceding suds baths. Five inches is a good standard. Temperature of the water should be between 135 and 160 degrees. A good average is 150 degrees. Decomposition of bleach in the load is partially dependent on temperature, i.e., the higher the temperature the more rapid the action. Too low a temperature means that the bleach bath must be run too long to get proper results. Too high a temperature means that the bleach will decompose before properly penetrating the load.

If live steam must be used to heat the water above 135 degrees it should be done before the bleach is added, Adding steam while bleach is in the wheel will result in spotty, excessive bleaching action with attendant damage to the clothes.

The bleach bath should run from 8 to 10 minutes. Tests have shown that 80 to 90 percent of the bleach is decomposed in the first 3 minutes but additional time is necessary to complete the job. Running a bleach bath longer than 10 minutes wastes time and money.

Let's review the above procedures. First, one must make sure of washing the work clean. Bleach is a valuable washing aid but it cannot compensate for a poor job of soil removal. Then the proper bleach is chosen.

From the bleach chosen one makes up a 1 percent stock solution. If one is concerned with small quantities he may make this a 0.5 percent stock solution and double the amount used on the wheel. About 2 quarts of 1 percent stock solution are used per 100 pounds of load. If one can obtain satisfactory whiteness by using less, that is desirable. The bleach bath follows the suds. Soap or soap regenerator is added to the bleach bath to raise a suds. The bath is run in 5 inches of water at 150 degrees for 10 minutes. The work is then ready to be rinsed.

Use a rubber dipper to measure bleach stock solutions. If you measure your solution in pints get a pint-size dipper. Don't buy a quart dipper and guess when you have it half full each time. Wait until the full water level has been reached in the washer, then add the stock solution slowly along the width of the wheel as it turns down into the solution. Never add steam after adding bleach to the wheel.

Leaking bleach pails are an invitation to damage claims and should be discarded at once (a prime reason for not using the washroom floor as a classifying table). When dipping out bleach beware of dipping into the sludge. (When poured into the washwheel, sludge will cause pinholes in the clothes.) It is false economy to prepare a new batch of bleach stock solution by utilizing the sludge remaining from the previous batch.

Remember to use caution. The bleach in the stock solution is about 100 times as strong as when used in the wheel, so treat it with care. Even when properly used, bleach probably contributes more to tensile-strength loss than any

other washing supply.

ORGANIC BLEACHES

Organic bleaches are substances which have been introduced to the field quite recently. They have several advantages in comparison with hypochlorite bleaches. For one thing, they require less storage space since they are put into the wheel in dry form. They are more stable than hypochlorite bleaches, and they are not so harmful to personnel coming in contact with them. Furthermore, as a bleach, they tend to incur less strength loss than the hypochlorite bleaches.

How to use them: Organic bleach is used very successfully in conventional formulas by adding it dry to the washwheel in the bleach bath. It is very stable, stores well; that is, there is no problem of caking, and it has tremendous value in linen conservation because it is safe on fabric even if it is left on wet fabric overnight.

For maximum stain-removal efficiency in the conventional-type formula, the bleach bath solution should be around the pH of 10.4. The recommended use of organic bleach is 1 to 2 ounces per 100 pounds of work depending on the degree of soil. For light soil, usually 1 ounce is

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sufficient, even less in some instances; and for heavy soil,

such as family work, 2 ounces are required.

Organic bleach is also recommended for the One-Shot Formula where all the supplies are added to the first operation. For this type of formula, the pH requirements are higher. For heavily soiled work, the pH should be around 12.0, using approximately 2 ounces of organic bleach per 100 pounds of work.

For stained reject linen supply work, organic bleach is very effective in an overnight soak in the washwheel, using 12 inches of water at a temperature of 140° to 150° F and 4 to 6 ounces of organic bleach per 100 pounds of work

depending on the degree of stain and mildew.

Organic bleach is also very effective in the washing formula on heavily soiled and mildewed linen supply work. Because of the degree of heavy soil in some linen supply classifications the manufacturers prefer to make specific recommendations to each individual plant rather than give general use recommendations,

Source: Wyandotte Chemicals Corporation

FLUORESCENT WHITENERS

Fabric whiteners are available in liquid or dry form, or combined with soaps, synthetic detergents, fabric softeners or sours.

They are actually fluorescent dyes which make fabrics look whiter or brighter by providing more light on the material. These dyes are energized by ultraviolet light, with the result that a portion of the ultraviolet light is converted into visible light. Consequently, by throwing more light on the fabric, more light is reflected to the eye.

The sole purpose of the whitener is to give fabrics more sparkle. They do not remove stains and do not materially

aid other products used in the formula.

Very few if any whiteners can be used in the bleach operation, since most fluorescent dyes are oxidized by bleach. They may be used before or after bleaching but not in the same operation.

Fabric whiteners are not adversely affected by moderately high or low pH. They should never be regarded as a substitute for a good washing formula.

Source: The Calaon Company

Souring data

PROPERTIES OF SOURS

Name	Commercial Form	Reducing Power	Volatile ot Ironing Tempera- ture	Amount Necessary To Replace 1 Oz. of Ammonium Silicofluoride
				(Avoirdupois)
Acetic acid	56% solution	Very mild	Yes	2.39 oz.
Acetic acid	80% solution	Very mild	Yes	1.68 oz.
Ammonium acid				
Ammonium silico-	White powder	Small	Yes	1.27 oz.
fluoride	White powder	None	No	1.00 oz.
Formic acid Hydrofluoric	90% solution	Strong	Yes	1.14 oz.
acid	30% solution	None	Yes	1.49 oz.
Hydrofluoric				
acid	48 % solution	None	Yes	0.94 oz.
Oxalic acid	Crystals	Strong	No	1.41 oz.
Sodium acid fluoride	White powder	Small	No	1.38 oz.
Sodium silico-				
fluoride	White powder	None	No	1.06 oz.
Zinc silico- fluoride	White powder	Slight	No	1.73 oz.
		-		

Source: Philadelphia Quartz Co.

The primary purpose of a souring operation is to neutralize the bicarbonate alkalinity in the water and the unrinsed alkalinity still remaining in the clothes. This neutralization is necessary because of the tendency of white cellulose materials such as cotton and linen to assume a yellow or brown color in the presence of heat when alkali is present. Other properties of a good sour include removal of iron stains and destruction of bacteria.

Zinc silicofluoride is used widely by diaper laundries since it inhibits diaper rash. Some sours now also have sodium bisulfite incorporated in them to counteract any chlorine carry-over.

How much sour is used? Enough is used to bring the pH of the load to generally accepted standards. For starched work such as shirts and uniforms, attain a pH of 4.5 to 5.0.

For finished family work, 5.0 to 5.5, and for wetwash, 6.0 to 6.5. No figures on amounts of sour needed to reach these values can be given since they will vary from plant to plant. Experimentation on one load will give an approximation of the correct amount to use. Checking further loads and making any necessary small corrections will establish a standard.

Once the correct amount of any given sour is determined, substitutions of other sours may be made on a mathematical basis. The table below gives these ratios for various chemical formulas.

Use of this table is simple. Suppose that one has been using sodium silicofluoride and desires to change to sodium acid fluoride for greater rust removal. The table reveals that the values are in proportion of 2.3 to 1.7. Therefore, for each 2.3 ounces of sodium silicofluoride now in use there should be used 1.7 ounces of sodium acid fluoride.

	Chemical	Relative Neutralizing Value Taking 56% Acetic Acid
Name	Formula	As 1.0
Fluosilicic Acid	H2SiFe	4.3
Sodium Silicofluoride	No ₂ SiF ₆	2.3
Ammonium Silicofluoride	(NH4) 251F6	2.4
Ammonium Acid Fluoride	NH ₄ HF ₂	1.9
30% Fluosilicic Acid	H ₂ SiF ₆	1.4
100% Acetic Acid	CH2COOH	1.8
56% Acetic Acid	CH ₂ COOH	1.0
Sodium Acid Fluoride	NaHF ₂	1.7
Oxalic	H4C2O4 (2H2O)	1,7
100% Hydrofluoric Acid	H ₂ F ₂	5.4
30% Hydrofluoric Acid	H_2F_2	1.6

The sours listed above are all good sours, as are many commercial mixtures. However, not all acids are safe souring agents. Such chemicals as hydrochloric acid, sulphuric acid, and sodium acid sulphate will cause damage to fabrics, even when carefully rinsed out. There are enough good, safe sours to use without incurring the risk of damaged goods and resultant claims. Oxalic acid, widely used for removal of rust stains, must be thoroughly rinsed from the fabrics to avoid chemical damage.

Ammonium silicofluoride is slightly more expensive per pound than sodium silicofluoride but it has a higher neutralizing value and is much more satisfactory.

RULES FOR SOURING

1. Never sour until all soap has been rinsed out.

2. Use low water level of 4 to 5 inches to assure high concentration without waste.

5. Do not rinse after normal souring. Clothes should be rinsed after treatment in iron-removal baths, particularly if oxalic acid is used. Failure to remove this material may give as much as 60 percent reduction in tensile strength in a single ironing.

Rust removal is an important function of the sour bath. A sour is chosen that, in addition to neutralizing value, will also remove rust stains. A sour such as oxalic acid is used when high rust concentrations are encountered. Thorough rinsing after the operation is required to insure removal of the oxalic acid which will cause chemical damage if an

excess is left in the clothes. A common mixture, tailor-made to avoid such complications, is one of oxalic and acetic acid. The oxalic acid, being more active, is used up first, leaving as excess only acetic acid, which will not cause damage. For minor rust-stain removal a sour is chosen containing an acid fluoride salt.

The point in washing operations at which a sour bath is added depends on the water supply. With water of low bicarbonate alkalinity, sour after rinsing and then blue the load. With water of high bicarbonate alkalinity, blue first and then sour. The reason for this is that the alkalinity of the water raises the pH to undesirable levels, necessitating the use of excessive sour to counteract this reaction.

FLUORESCENT SOURS

Fluorescent-type dye stuffs that give off a bluish cast are incorporated in many sours used today. Many plantowners find that the use of these acid-type whiteners in sours gives them more uniform whiteness. Furthermore, they have no problem controlling the amount of bluing used since the bluing operation is eliminated.

There are two types of fluorescent sours; one contains a slight amount of aniline blue and the other contains no blue at all.

Source: Keever Starch Company

Starching and sizing data

TYPES OF STARCH

Wheat, corn, and a blend of wheat and corn starches have been widely used by professional laundries for many years. Other basic starches include rice, potato, tapioca, etc. All these basic starches may be further categorized into four types:

1. Thick-boiling starch—or "natural" starch tends to thicken rapidly as it cools. Unless used hot and at relatively low concentration, it has poor penetrating qualities.

2. Thin-boiling starch—is a modified starch which may be prepared at higher concentration. It thickens less quickly as it cools and has better penetrating qualities.

3. Noncongealing starch—this is a cooked starch like the others previously mentioned. But when prepared at 8 ounces to the finished gallon, this type of starch will remain completely fluid when cold. It need not be kept hot and has excellent penetrating qualities whether used for hand, machine or wheel sizing.

4. Instant starch—a precooked starch developed specifically for use dry in the wheel. It gives the same quality as those previously mentioned but requires no cooking.

(CMC—technically known as sodium carboxy methycellulose, is not a starch but is used as a finishing agent for special sizing purposes; e.g., "no starch" shirts, Oxfords, sport shirts, etc.)

The choice of starch should be determined by the kind of work you do. The cooked starches are generally used by professionals because they give work a better feel and finish, more uniform results, and less is required than if starch is used raw.

PREPARING COOKED STARCH

Starch manufacturers have developed directions for preparing and using their products and these, of course, should be followed. However, the following general information may be helpful.

Prepare thick-boiling starch on the basis of 4 to 5 ounces per finished gallon; thin-boiling, 10 ounces per finished gallon; and noncongealing starch on the basis of 8 ounces per finished gallon.

The following table shows amount of starch to use in preparing given quantities of cooked starch.

To Make		z. per ial.		z. per ial.		t. per al.	8 Oz. Gal		10 O	
Gal.	lb.	Oz.	Lb.	Oz.	lb.	Oz.	lb.	Oz,	Lb.	Oz.
5	1	4	1	9	1	14	2	8	3	2
10	2	8	3	2	3	12	5	0	6	4
15	3	12	4	11	5	10	7	8	9	6
20	5	0	6	4	7	8	10	0	12	8
25	6	4	7	13	9	6	12	8	15	10
30	7	8	9	10	11	4	15	0	18	12
35	8	12	10	15	13	2	17	8	21	14
40	10	0	12	8	15	0	20	0	25	0
45	11	4	4	1	16	14	22	8	28	2
50	12	8	15	10	18	12	25	0	31	4

When preparing starch, always:

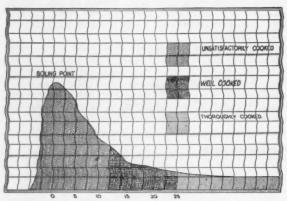
- Weigh starch and measure water accurately. Do not guess.
- Boil starch fairly hard for at least 20 minutes, counting time from moment boiling actually starts.
- 3. Check valves on starch cooker to make sure they do not leak and thus cause the starch solution to thin out.
- Keep starch cooker and all containers clean to prevent souring.
- Do not "build up" starch. Make fresh starch each time. Adding old starch to new is false economy.

PREPARING DRY STARCH

Dry or raw starch requires no preparation. Use as is. However, if you use a cooked starch raw, suspend the required amount in a bucket of water and then add mixture to the wheel. Premixing is not necessary when using a starch made specifically for use dry in the wheel.

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NONCONGEALING STARCH



Horizontal axis shows minutes, vertical axis shows energy expended

The graph explains why 20 or more minutes of cooking are recommended. Any shorter cooking period results in incomplete disintegration of the granules, leaving partly cooked particles that are very sticky and viscous and cause difficulty in the laundry operation.

SUGGESTIONS FOR WHEEL SIZING

- 1. To assure uniform results keep the following conditions constant: weight of load, amount of water used in the wheel, amount of starch used, running times for washing and extracting.
- When shirts are washed in nets figure each net as two shirts and make proper allowance for amount of starch used.
- 3. Add required amount of starch to last rinse, or during bluing operation with 5 inches of water in the wheel. Add while wheel is in motion and turning towards you.
- 4. Run each load a full 10 minutes to assure complete and uniform distribution throughout the load.
- Drain starch or sizing from wheel while it is in motion.
 This is particularly important when using a starch in dry form.

STARCH PROBLEMS AND PROBABLE CAUSES

There are many so-called "starch problems," but actually the great majority of these can be attributed to the improper preparation or use of starch and carelessness in processing starched work.

Sticking starch: Excess surface starch may result in sticking on presses or flatwork ironers. It is the result of incomplete penetration of starch. You may be using too heavy a starch or a starch that has not been boiled long enough. Or you may be using too much raw starch. In the case of wheel sizing, the problem may result from overloading the wheel or not running the load long enough.

Excessive amounts of lubricant or any starch additive can also retard penetration and cause starch build-up on the presses, (Most starches devloped specifically for professional laundries are "lubricated" by the starch manufacturer, and the addition of more lubricant by the laundry is unnecessary and frequently unwise.)

Other causes of sticking include insufficient extraction, oversouring, hard nonabsorbent padding, improper adjustment of presses, etc.

Smears and highlights: This problem usually goes hand in hand with sticking on presses and the causes are the same.

Buckles and pin wrinkles: The most obvious cause of "buckles," "pin wrinkles" on collars and soft work is the use of too little starch, but more frequently than not they are due to short starching runs, insufficient press pressure, hard padding, removing work from cuff or collar press before it is dry, overloading nets.

Body wrinkles: These are caused by overstarched work, carelessness in "laying" work on presses, or working with materials that are too dry.

Cracked work: "Stiff" work naturally tends to crack or break more quickly than pliable work. The best way to avoid this problem, especially on collars, is to use a starch that gives the greatest degree of pliability. Even so, work may crack if work is overstarched, oversoured, or if collars are turned carelessly.

Extraction data

An efficient extractor should remove roughly 50 percent of the water in the load. Underextraction produces wet material, resulting in delays and added costs in the finishing department. When the amount of moisture retained in the load reaches 50 percent of the load's dry

weight, it is no longer economically feasible to continue extraction—that is, a dry load of 70 pounds should weigh approximately 105 pounds on leaving the extractor; 70

	Volum		Weight of Loads, Pounds				
Туре	Diameter	Cubic Feet	Dry Weight Load	Weight Before Extraction	Weight After Extraction		
	20"	1.73	25	87.5	37.5		
Solid-Curb	24"	2.91	40	140	60		
	28"	4.29	60	210	90		
(30"	5.60	70	245	105		
1	40"	12.3	145	507.5	217.5		
1	48"	19.1	230	805	345		
Open-Top	60"	32.4	380	1330	570		
	72"	46.8	550	1925	825		

Source: AIL

Туре	Diameter	*r.p.m.	Load Pounds
	15"	1600-1750	10
Solid-Curb	17" 20" 26"	1500-1700 1400-1500 1200-1400	12-20 25-30 40-55
	28"	1100-1200	60-70 70-80
	40"	850-925 750-800	150-170 200-250
Open-Top	50"	750-800	300-350
,	54"	700-750 600-700	350-400 400-450

Approximate—r.p.m. of similar size extractors of different manufacturers vary.

** Manufacturer's rated capacity.

pounds dry weight plus 35 pounds retained moisture=105 pounds. The table given assumes 2.5 pounds of water absorbed by each dry pound of clothes-an average figure. Extraction is continued until moisture retained is equal to 50 percent of dry weight; in this case 80 percent of the water is removed. Weighing a load of known dry weight before and after extraction, a laundry operator can readily check the efficiency of his extractors.

Extractor revolutions per minute and pounds of cen-trifugal force decrease with increasing capacities, Heavier loads require longer extraction periods, although periods required will vary with atmospheric conditions and class of work handled. Wetwash should run about 4 to 6 minutes in a 17-inch extractor; 10 to 12 minutes in a 30-inch extractor and 15 minutes in a 48-inch extractor.

HYDRAULIC EXTRACTORS

There are on the market today extractors that eliminate excess moisture by squeezing rather than by spinning. Perhaps the best known operates by the application of water pressure inside a metal tub, against a rubber diaphragm, containing the material to be extracted. The extracted water is released through a perforated cover and flows out a drain which is separate and apart from the water contained in the tank. The pressure water is brought from a special tank on the bottom of the unit and is returned to the same tank after extraction is completed. The operation is noiseless and vibra-tion-free. The unit will handle loads up to 200 pounds dry weight in a normal 10-minute run.

Another type of hydraulic extractor operates on a different principle using a ram-type device to squeeze the water

from the load.

EXTRACTING SYNTHETIC FABRICS

Synthetic fabrics hold very little moisture and may be damaged if subjected to excessive mechanical action, Over-

extraction can produce wrinkles which are impossible to remove and, in some instances, the centrifugal force generated during the normal running cycle is great enough to break

Running the extractor up to speed and cutting it off is considered good practice in handling synthetics.

KILOWATT HOURS

To Run Extractors a Given Time in Minutes

	T 1	Extractor Diameters							
	Time Minutes	20"	24"	26"	28"	30"	40"	48"	
	1	.042	.050	.071	.083	.095			
	2	.048	.069	.082	.095	.108			
	3	.055	.079	.092	.107	.122	.46	.65	
	5	.069	.097	.114	.131	.149	.50	.70	
	6 7	.075	.106	.125	.143	.162	.54	.75	
	8	.089	.125	,146	,167	.189	.62	.85	
	10	.095	.134	.157	.179	.202	.66	.90	
	11	.109	.153	.178	.204	.229	.74	1.00	
	13	.115	.162	.189	.216	.242	.78	1.05	
	14	.129	.181	.210	.240	.269	.86	1,15	
	15	.135	.190	.221	.252	.283	.90	1.20	
	17	.149	.209	.242	.276	.309	.98	1,30	
	18	.155	.218	.253	.289	.323	1.02	1.35	
	19	.162	.227	.264	300	.336	1.06	1.40	
	20	.169	.237	.275	.312	.350	1.10	1.45	

The table records kilowatt hours required for extractors of various sizes at increasing running times. A 48-inch machine draws 1.45 kw. hours for a 20-minute extraction period; at 2 cents a kw. hour the power cost is 2.9 cents for the load.

Tumbling data

TUMBLERS

Loads, Steam and Electrical Consumption

		,	Per Loa	d		Per H	
Туре	Size (Inches)	Dry Load, Pounds	kw. Hours	Pounds Steam	Dry Load, Pounds	kw. Hours	Pounds Steam
Open-End	26 x 18	20	.11	22	40	.23	44
Open-End	36 x 24	26	.15	29	52	.30	58
Open-End	36 x 30	32	.35	30	64	.70	60
Utility	36 x 36	40	1.15	80	80	2.30	160
Utility	36 x 48	55	1.70	110	100	3.40	220
Utility	42 x 42	70	.93	82	140	1.86	164
Utility	42 x 60	100	1.35	117	200	2.70	234
Utility	42 x 90	150	2.00	175	300	4.00	350
Utility	42 x 120	200	2.70	233	400	5.40	466

Capacities, power consumption and steam requirements for tumblers of various sizes are important in planning future expansions or computing costs. A 42-by-90-inch tumbler requires 175 pounds of steam per load and at 2 cents a kw. hour will produce 150 pounds of clothes at a power cost of 4 cents.

Running times will vary from 5 to 30 minutes depending on the size of the tumbler and type of fabric processed. Silks and whites should be run at 110 to 120° F; looseweave woolens at 120 to 140° F, and tight-weave woolens at 140 to 160° F, to prevent shrinkage.

Some plants make it a practice to precondition synthetic materials 3 to 5 minutes in a heated tumbler with a steam jet until the fabrics are dry except for the moisture from the injected steam in the tumbler. Preconditioning helps remove extraction wrinkles which appear even when extraction is kept to a minimum and excess moisture which, in combination with heat and pressure of finishing, causes stiffness, shine and fusing.

Do not tumble glass fabrics, Dynel, Orlon fleece, Saran or Velon.

TUMBLER DRYING TIME

Drying time varies in proportion to the size of the load and the degree of extraction. These are the two major variables. Actual drying time will depend also on the materials processed, the amount of gas or steam pressure used, weather conditions, and other variables.

Larger loads require longer tumbling and nothing is

gained by overloading. The table following indicates the drying time per pound for a 36-by-30-inch tumbler drops considerably up to loads weighing 32 pounds (manufacturer's rated capacity) after which the rate of drying remains constant,

Lond Size vs. Drying Time Per Pound

Pounds	Drying Time Minutes	Minutes Per Pound
4	5.3	1.3
8	7.2	.9
12	8.9	.74
16	10.7	.67
20	12.7	.635
24	14.9	.621
28	17.1	.610
32	19.4	.606
36	21.8	.605
40	24.2	.605
44	26.7	.605

Source: AIL

Short cuts in the extraction cycle mean additional drying costs. For example, bath towels extracted to 70 percent of their dry weight need 30 percent more drying time than towels extracted to 50 percent.

Tumbling need not be continued until the material is thoroughly dried; in fact, towels tumbled 97 percent dry are of good quality and are not nearly so hot to handle as when thoroughly dried.

Another reason why absolute dryness is not essential is that a given fabric under average room conditions absorbs approximately 6 to 8 percent moisture, depending on the humidity of the air.

The exhaust-air temperature of a tumbler has a direct relationship to the degree of dryness of the load. It is important, therefore, that timing devices operated by stack temperatures be adjusted to the size of the load, particularly where individual bundles of varying sizes are tumbled dry.

UNLOADING TUMBLERS

(Gas, Gas-Oil, Steam)

Capacity Dry Weight	Full-dry Loads Per Hour	Conditioned Loads Per Hour	Unloading Time	Boiler Requirements
200 lbs.	4	12	12 sec.	171/2 bhp.

TWIN CYLINDER AND NONCYLINDER TUMBLERS

Тур	e	*Dry Load Pounds	Size	*Drying Time Lb. Minute
Twi	n	15/cyl.	26 x 24"	*5-25
Noncyli	inder	10/cyl.		10
Noncyl		20/cyl.		10

^{*} Manufacturer's rated capacity.

CONDITIONING TUMBLERS

Size (Inches)	*Dry Load Pounds	*Loads Per Hou	
**34 x 72	800 lb./hour		
36 x 30	15 lb./load		
48	30 lb./load	30	
**48 x 84	1,500 (b./hour		
**60 x 96	3,500 lb./hour		
72	200 lb./load	20	

^{*} Manufacturer's rated capacity.

Ironer data

APPROXIMATE FLATWORK IRONER PRODUCTION POUNDS PER HOUR

Based on not over 50% retention; 100 lb. steam; good trap system

Туре		Float Roll W.A. and Flat	Family Flat Net Identification	Family Flat Full Indentification	Commercial Flat Sheets, Cases, Etc
Chest	8-roli	300-330 ib.	400–485 lb.	465–530 lb.	530-665 lb.
	6-roli	225-250	300–350	350–400	400-500
	4-roli	150-165	200–235	235–270	270-335
	2-roli	75- 85	105–120	120–140	140-175
Double Cylinder	30"	175-190	230-270	270-310	310-385
	24"	115-130	155-180	180-205	205-255
Single Cylinder	48"	160-175	210-245	245—280	280-350
	100" x 16"	37- 41	50- 58	58— 66	66- 82

Source: AIL

SMALL FLATWORK IRONERS (GAS, STEAM OR ELECTRIC HEATED)

Heat sources: 1 = gas; 2 = steam; 3 = electric

Size (inches) and heat source	Speed range (feet per minute)	Size (inches) and heat source	Speed range (feet per minute)
48—1	14	80—2, 3	6-18
50-1, 2	12	85-1, 2, 3	8-24
54-3	11	100—1, 2, 3	6-48
56-1, 2	14	104—1	5-30
60-1, 2, 3	6-24	110-2, 3, 1	8-48
66-2	11	120-2	7-52
75-1, 2	12	132—2	15-45

Production capacity of steam-heated ironers is about 80 percent of gas-heated machines; electric ironer production is about 70 percent of gas-heated ironers

^{**} Continuous shakeout and conditioning tumblers.

APPROXIMATE FLATWORK IRONER PRODUCTION SHEETS PER MINUTE

Feeding selvage first, allowing 1 foot between sheets, 3/2 and full apron speeds, steam at 100 lb. pressure, 100 percent quality

Туре		54" Sheets 63" Sheets		72" Sheets		81"	81" Sheets		"90" Sheets		
		3/5	Full	%	Full	3/3	Full	3/3	Full	3/3	Full
Handy			2.00		1.76		1.57		1.42		1.29
Chest	4-roll	2.00 4.84	4.00 7.28	1.76	3.52 6.40	1.57	3.14 5.72	1.42	2.84	1.20	2.59
	6-roll 8-roll	7.28 9.80	10.90	6.40 8.64	12.80	5.72 7.70	8.57 11.42	5.17 6.97	7.75	6.36	9.40
Double Cylinder		7.28 7.28	10.90	6.40	9.60	5.72 5.72	8.57 8.57	5.17 5.17	7.75 7.75	4.71	7.07
Single Cylinder	48" 16" x 100"	7.28	10.90	6.40	9.60	5.72	8.57	5.17	7.75	4.71	7.07

Source: AlL

CAN YOU USE A FLATWORK FOLDER IN YOUR PLANT?

	Large-Piece Folder		Small-Piece Folder (In tandem)	Bath Towel
Production	600 pieces per hr.	1,250 pieces per hr.	700-900 pieces per hr.	900 pieces per hr.
No. of folding operators eliminated	2	1 out of 2	All	1 out of 2
FAMILY LAUNDRY (Pin & Net)				
w/one FWI	Not likely	No	No	No
w/two FWI	Yes	No	No	No
FAMILY LAUNDRY (Full Identification)				
w/one FWI	Yes	No	No	No
w/two FWI	Yes	Yes, if plant	No	Yes, if plant
COMMERCIAL		has at least 40,000 small pieces a week		does at least 25,000 towels
w/one or more FWI	Yes	that need folding	Yes, if plant	per week
LINEN SUPPLY			140,000	
w/one or more FWI	Yes		pieces per week in no more than	
INSTITUTIONAL			three categories	
w/one or more FWI	Yes			

FLATWORK FOLDERS

There are many types of folding machines available to the laundry industry, but perhaps the simplest way to classify them is by *function*.

In one class, we have the folders for handling large pieces such as sheets, tablecloths, patient gowns, etc.

A second class includes machines used to fold small pieces such as towels and pillowcases.

The third class is used for tumbled work, like bath towels. Actually, the same machine—with minor adjustments—is used for both small pieces and tumble work.

This method of classifying folders—large-piece folders, small-piece folders and bath-towel folders—is the most practical, because the plant management must first consider the function and how it fits into the operation. After that, it's a matter of determining which machine has the best mechanical design for the plant's needs.

The large-piece folders are used pretty much across the board. They are the most common and you'll find them in family, linen, commercial, as well as institutional plants.

Small-piece folders are used extensively in commercial and linen supply plants where there's enough volume for them to be used to advantage.

FLATWORK SPREADERS

A flatwork spreading device enables one girl to prepare the work for the feeders. Installation of this labor-saving device pays if a plant is large enough to have at least a six-roll-ironer capacity and a volume of at least 1,200 sheets or spreads a day, fully identified or sorted into lots for suitable handling.

Production standards

Because they are the heart of any wage incentive plan, operator production standards are at once the point of highest importance and greatest vulnerability. Production standards for a particular job at a particular plant can be determined only by time studies conducted for that job at that plant.

"Standard production is the rate at which a normal average worker performs at an average rate of speed under average working conditions and, as a result, produces an average daily production of average quality. This rate may be expressed in the number of units of output an hour or in the number of hours to produce 100 units."*

Although it is impossible to create a single, inflexible set of standards for all laundries, the figures here are helpful as guides for rough estimation or comparison.

STANDARDS AND INCENTIVES

Working from extensive time studies conducted on the job, field engineers of the American Institute of Laundering established the following production standards for a typical laundry in the Middle West. Wage incentive payments based on these standards raised the plantwide production efficiency to 98 percent of standard.

Although careful time studies are necessary before the installation of a workable wage incentive plan, the im-

^{*} AIL Special Report No. 141, "Wage Incentives for Power Laundry."

Operating Cost Percentages

NATIONAL AVERAGES FOR 1959

1959 SALES VOLUME	All Plants	Under \$100,000	\$100,000 to \$150,000	\$150,000 to \$200,000	\$200,000 to \$250,000	\$250,000 to \$350,000	\$350,000 to \$500,000	Over \$500,000
NUMBER OF PLANTS REPORTING	(636)	(78)	(87)	(73)	(77)	(105)	(73)	(122)
Identifying, Assembly and Packaging Labor	8.50%	8.16%	9.05%	8.53%	8.85%	6.89%	8.16%	8.49%
Washing and Cleaning Labor	4.55	6.58	5.83	5.01	4.97	3.95	3.46	3.45
Finishing and Repairing Labor	19.06	17.60	19.58	21.15	19.84	19.13	19.25	17.21
Outside Work	.27	2.86	.35	.24	.26	.23	.40	.22
PRODUCTIVE LABOR—LAUNDERING	31.34	32.40	34.16	33.07	33.46	30.13	32.17	29.61
Identifying and Packaging Supplies	3.50	2.85	2.92	3.46	3.68	3.03	3.42	4.03
Washing and Cleaning Supplies	4.15	5.12	5.42	4.21	4.65	4.22	3.66	3.34
Finishing and Repairing Supplies	1.29	1.22	2.20	1.22	1.58	1.14	1.10	1.28
PRODUCTIVE SUPPLIES—LAUNDERING	9.14	10.21	10.58	9.37	9.60	8.72	8.50	8.56
Identifying, Assembly and Packaging Labor	5.40		4.36	7.10	5.40	6.40	4.47	5.55
Washing and Cleaning Labor	7.33		7.23	9.77	8.29	7.33	6.49	4.76
Finishing and Repairing Labor	14.01		15.85	12.25	14.01	11.91	17.09	14.60
Outside Work	1.25		.96	1.80	1.66	1.10	1.62	1.11
PRODUCTIVE LABOR—DRYCLEANING	28.32	27.88	30.76	28.50	29.59	26.41	28.31	27.21
Identifying and Packaging Supplies	3.95	6.65	3.98	4.31	3.87	3.88	3.97	3.39
Washing and Cleaning Supplies	4.10	7.31	4.04	4.77	5.80	4.17	3.61	3.49
		7.31						
Finishing and Repairing Supplies	.70		1.02	.87	.91	.62	.65	.57
PRODUCTIVE SUPPLIES—DRYCLEANING	8.85	12.93	8.82	10.44	9.41	9.08	8.77	7.99
Identifying, Assembly and Packaging Labor	7.74	7.25	7.59	8.73	7.90	6.77	7.66	7.80
Washing and Cleaning Labor	4.80	6.77	5.81	6.11	4.77	5.06	4.49	3.43
Finishing and Repairing Labor	16.37	17.60	18.79	17.36	18.69	16.13	17.78	16.29
Outside Work	.84	2.76	1.21	1.06	.83	.82	.79	.62
PRODUCTIVE LABOR TOTAL	31.02	34.11	34.61	33.08	31.66	29.80	30.91	28.49
		0.10			0.40	201	0.07	205
dentifying and Packaging Supplies	3.64	2.18	3.21	3.36	3.60	3.94	3.97	3.95
Washing and Cleaning Supplies	3.80	4.78	4.97	3.91	4.65	3.72	3.45	3.02
Finishing and Repairing Supplies	1.06	1.21	1.40	1.10	1.20	1.03	1.02	.94
PRODUCTIVE SUPPLIES TOTAL	9.15	10.37	10.20	9.48	9.44	8.99	8.85	8.36
Power Plant Wages	1.09	2.07	1.11	1.40	1.46	1.00	1.22	.92
Fuel Power Plant	2.15	3.66	3.16	2.15	2.47	2.12	1.90	1.54
Repairs and Maintenance—Power Plant	.25	.40	.34	.28	.35	.21	.18	.21
Depreciation—Power Plant	.30	.54	.43	.38	.32	.29	.29	.23
nsurance Power Plant	.05	.11	.06	.06	.04	.05	.05	.03
Purchased Power and Light	1.20	1.74	1.44	1.35	1.21	1.14	1.01	.90
TOTAL DIRECT POWER COSTS	4.86%	6.80%	6.08%	5.18%	5.30%	4.70%	4.70%	3.80%

portant factor which must be kept in mind is that of allowing for sufficient flexibility in setting plant standards, in order that adaptation of departmental changes may be readily made to the existing system.

A change in plant layout which permits a more effective workflow, the installation of equipment which results in greater productivity, as well as fashion changes, directly affect the criteria set for production under an incentive system.

There are numerous other factors which must be taken into consideration before an incentive plan is installed in a plant. Therefore, arbitrary standards should not be set; as plant conditions change the incentive system in effect must possess that adaptability which will grant the greatest effectiveness.

Generally speaking, there are three basic incentive systems:

1. The piece-rate plan is the easiest to understand. The girls get so many cents per shirt. The more they produce, the

more they make. But it doesn't allow for the element of time, nor does it have any relation to other wages paid in the plant. And if the laundry buys new, faster units, the base rate will have to be reduced—never a popular move.

2. The sharing plan is all right where no previous plan has existed. In this case standards are established, and management and labor split the profits of excess production. It is, however, a weak incentive compared to others.

3. Most popular is the standard hour plan. The wages paid are in direct proportion to increases in production. It allows for variations in the base hourly rate, And wages and productivity are considered independently.

PRESSING DEPARTMENT PRODUCTION STANDARDS

With the pin-and-net system of identification the wearing apparel finisher is expected to do 90 points per operator hour. With a full identification system 100 points per operator hour. Where specialization is the rule the standard is 115 points per operator hour.

1959 SALES VOLUME	All Plants	Under \$100,000	\$100,000 to \$150,000	\$150,000 to \$200,000	\$200,000 to \$250,000	\$250,000 to \$350,000	\$350,000 to \$500,000	Over \$500,000
Rent—Building	2.00%	3.46%	2.61%	1.96%	2.05%	2.03%	1.47%	1.31%
Repairs and Maintenance—Building	.35	.43	.33	.31	.36	.35	.36	.33
Depreciation—Building	.59	1.00	.74	.53	.59	.59	.60	.52
Insurance Property	.11	.30	.22	.14	.11	.14	.10	.07
Taxes—Real Estate	.50	.64	.48	.50	.56	.43	.49	.47
TOTAL BUILDING OVERHEAD	2.49	3.96	2.89	2.20	2.73	2.49	2.29	2.10
Maintenance Wages	1.16	1.12	1.31	1.16	.96	1.21	1.01	1.19
Repairs and Maintenance—Machinery	1.02	1.43	1.01	1.23	1.08	.93	.78	.85
Depreciation—Machinery	2.53	4.62	2.89	2.75	2.70	2.69	2.39	2.08
Insurance—Machinery	.15	.36	.32	.20	.15	.14	.12	.08
Taxes—Personal Property	.40	.49	.39	.45	.33	.40	.37	.40
TOTAL MACHINERY OVERHEAD	4.90	6.75	4.69	4.90	4.98	4.90	4.89	4.44
Indirect Labor	.92	.90	.69	.65	.96	.89	.85	1.08
Superintendence—Plant	2.72	4.28	3.66	2.58	3.10	2.95	2.61	2.42
Indirect Supplies and Expenses	.40	.52	.46	.42	.47	.39	.38	.39
Compensation and Other Insurance	.78	.92	.87	.88	.79	.70	.70	.70
Payroll Taxes	1.86	1.77	1.82	1.70	1.85	1.86	1.79	2.00
Vacation Wages—Plant	1.03	.79	.81	.80	.92	.98	1.05	1.14
TOTAL INDIRECT OVERHEAD	7.19	5.53	6.10	6.40	7.46	7.56	7.49	7.73
Delivery Salaries and Commissions	10.61	7.70	9.20	8.64	9.56	10.61	11.26	13.97
Agency Discount and Expense	1.38	1.98	2.20	3.16	1.40	1.00	2.00	1.05
Delivery Equipment Operating Expense	2.70	2.58	2.70	2.72	2.42	2.40	2.75	2.87
Depreciation—Delivery Equipment	.85	1.01	.80	.90	.87	.74	.82	.77
Liability and Other Insurance—Delivery	.39	.45	.39	.40	.42	.39	.34	.36
Store Salaries and Expense	3.38	3.25	2.26	3.78	5.20	4.03	2.61	4.14
Sales Promotion Salaries	1.41		1.84	1.32	1.46	1.67	.88	1.31
Sales Promotion Expense—Includes Advertising Claim Adjustments	.56	1.84	1.85	1.53	1.78	1.99	1.91	.89
TOTAL SALES AND DISTRIBUTION								
EXPENSE	22.62	14.34	18.13	21.09	22.00	23.00	25.25	27.94
Office Salaries	3.27	3.81	3.24	3.21	3.28	3.29	3.68	3.15
Office Supplies	.73	.65	.70	.70	.80	.66	.76	.80
Office Expense	.67	.86	.68	.71	.72	.60	.65	.65
Depreciation—Office Equipment	.17	.09	.13	.11	.19	.19	.18	.19
xecutive Salaries	4.54	7.92	5.48	5.40	5.13	4.72	3.65	3.48
Personnel Relations and Welfare	1.03	.50	.59	.75	.91	1.10	1.44	1,43
ad Debts	.13	.19	.15	.18	.16	.15	.08	.10
shortages and Unclaimed Items	1,57	1.77	1.53	.09	1.61	.11	.06	.09
Other Administrative Expense	1.57	1.77	1.53	1.48	1.01	1.53	1.36	1.58
TOTAL OFFICE AND ADMINISTRATIVE EXPENSE	12.17	9.40	11.29	12.12	13.15	12.99	12.32	12.02
TOTAL OPERATING COSTS	96.90	96.36	95.73	96.08	97.10	96.90	97.38	96.92
NON-ALLOCATED EXPENSES INCLUDING NON-OPERATING INCOME AND EXPENSE	(.12)	.07	(.16)	(.22)	.00	(.17)	.06	.06
TOTAL PROFIT BEFORE INCOME TAX	2.98%	3.71%	4.11%	3.70%	2.90%	2.93%	2.68%	3.14%

Source: American Institute of Laundering

FLATWORK STANDARDS

With Folding and Stacking Machines

Service	Piece	Points Per Lb.	Lb. P.O.H.
	Sheets	.7	143
	Pillowcases	1.3	77
Commercial	Tablecloths and Aprons	1.9	53
	Small Pieces	2.5	40
	Sheets	.9	111
Family -	Tablecloths	2.2	45.5
	Small Pieces and Pillowcases	2.5	40

One eight-roll ironer handles all small pieces and is equipped with a stacker. A small conditioning tumbler is used for small pieces such as napkins and barber towels; the tumbler operator's time is charged to the crew. The

other eight-roll ironer is equipped with a folder and handles only sheets and tablecloths. No shakeout tumbler is used. On commercial sheets, no attention is paid to which side of the sheet gets ironed, and the machine is run at about 80 feet per minute. Two operators lay the sheets out, two feed and one folds. One stacker takes care of tying, weighing and recording for both machines.

Family sheets are run at about 60 feet per minute and must be ironed on the right side. On small tablecloths, each feeder works independently. Although the folding machine works in two lanes and folds tablecloths fed in this way, two operators are needed on folding. With the regular five-girl crew, the one operator available for preparing the tablecloths is unable to keep up with the rest of the crew. A sixth operator must then be added, or one feeder and folder must come back and prepare pieces.

Continued on page 100

FLATWORK IRONER PRODUCTION

		Operators			Lb. Per Operator Per Hour					
Method	Shakers	Feeders	Folders	Counters	Hand Ironers	4 Roll	6 Roll	8 Roll	1 Cyl.	Cyl.
	(2	2			30				
	2	2	2	1	1		35	35	35	35
Net	3	2	2	1	1		38	38		38
	3	2	2	1	1			44		
		2	2			40				
	2	2	2	1.			45	45	40	45
Fully Identified	2 1/2	2	2	1/2 *			45	45		45
,	2 1/2	2	2 1/2	1*			45	45		45
	4	3	3	1*				50		
	2	2	2	1			50	50		50
Commercial	21/2	2	21/2	1			50	50		50
	3 1/2	2	21/2	1			50	50		50
inen Supply	21/2	2	21/2	1			40	40		40
	1	2	2	1	1		35	35		35
hake Feed	1	4	2		1		35	35		35
Float Roll	2	2	2	1			32	32		

^{*} Additional folders.

AVERAGE PRODUCTION ON A TYPICAL IRONER (FAMILY WORK ONLY)

		C	rew		Machine		Standard	
Article	Shaker	Feeder	Folder	Backup	Speed	Lb. for Piece	Hrs. for 100 Pcs.	Lb. P.O.H
Sheets	2	2	2	1	40	1.5	1.92	52
	2	2	2	1	46	1.44	1.68	59.5
	2	2	2	1	32	1.44	2.48	40
	2	2	2	1	60	1.50	1.00	100
Pillowcases	2	2	2	1	20	.29	2.95	34
	2	2	2	1	23	.29	3.06	32.7
	2	2	2	1	32	.29	3.34	30
	0	2	2	0	19	.287	2.00	50
Hand Towels	2	2	2	1	40	.17	2.35	42.5
	0	2	2	0	28	.202	1.49	67
Table Linen	2	2	2	1	40	.69	3.84	26
	2	2	2	1	36	.69	3.98	25
	2	2	2	1	21	.69	4.90	20.4
	0	1	2	3	21	.888	1.62	62
Spreads	2	2	2	1	40	2.30	2.54	39
	2	2	2	1	36	2.34	2.49	40
	2	2	2	1	32	2.34	2.97	33.6
	1	3	3	0	60	1.28	1.45	69
Small Pieces	2	2	2	1	36	.17	3.15	32
	2	2	2	1	32	.17	2.94	34

WASHROOM STANDARDS

Washing and Extracting Crew	Standard Hours Per 100 Lb.	Pounds P. O. H.
3	.330	300
3	.385	260
2	.446	224
3	.398	251
4	.359	279
2	.333	300
3	.357	280
2	.287	349

Washroom production standards are difficult to establish even with good time study. In this department the standards differ widely between plants because of substantial differences in equipment, machine loading and workflow.

The table above indicates standards determined in a random group of average plants washing principally family work with conventional washers and open-top extractors. Laundries operating conventional washers and unloading-type extractors generally have accomplished around 600 to 700 pounds per operator hour. And washer-extractor manufacturers claim their small combination units can do as well and their larger units up to twice as much on a per

hour basis. From this it's easy to see how wide variations can, and do, exist among plants.

TUMBLER STANDARDS

Tumble	r Size	Capacity	Time
36" x	18"	20 lb.	30 min.
36" x	24"	26 lb.	30 min.
36" x	30"	32 lb.	30 min.
36" x	36"	52 lb.	30 min.
42" x	42"	70 lb.	30 min.
42" x	90"	150 lb.	30 min.

100 pounds per operator per hour Fold and wrap (rough-dry wearing apparel)—750 pieces or 560 pounds per operator per hour Fold bath towels (24" x 44")

A bulk system permits greatest production. Usual time for a tumbler load is 25 to 30 minutes. One operator can usually handle three or four small open-end tumblers—loading, unloading, folding and stacking. For the complete operation a worker should produce about 100 pounds per hour at standard, doing the tumbling and folding, using four tumblers.

HAND TOUCH-UP POINTS

WEARING APPAREL FINISHING POINTS

Garment	Points	Per Pi	ece
Lace or ruffled collars Skirts			
Sleeves Pockets		1	
Puff coats or uniforms			
Nightgowns			
Brassieres		2	
Slips		-	
Caps			
Dresses			
Blouses			
Aprons		3	
Shirts		3	
Plain cushion cover			
Children's wear			
Uniforms		5	
Robes		5	
Plain chair cover		7	
Plain divan cover		9	

Men's Garments		Uniforms and Supply	
Shirts, long sleeve	3.5	Garments	
Shirts, polo	2.6		
Shirts, sweat	1.4	Uniforms, plain	6.8
Overalls	4.2	Uniforms, fancy	8.4
Coveralls	7.2	Aprons, waist	1.0
Coveralls, pants creased	11.9	Aprons, butcher or bib	1.8
Work pants	5.4	Aprons, full skirt bib	4.2
Wash pants, linen	6.2	Coats	4.5
Wash coats	7.3	Vests	1.7
Wash vests	1.7	Jackets	3.6
Wash ties	1.9	Frocks	5.8
Shorts	1.8	Work pants	5.4
Undershirts, wet	1.1	Cap covers	1.3
Undershirts, tumbled	.6	Caps, soda	.9
Nainsook union suits	3.1	Caps, chefs' and grocery	1.4
Jockey shorts	.8	Caps, nurses'	1.1
Long underwear	3.3	Head bands	.6
Nightshirts	3.2	Chair bands, laundry bags .	.7
Pajama trousers	2.1		
Pajama coats, open	2.8	Miscellaneous	
Pajama coats, closed	2.1		_
		Belts	.5
		Handkerchiefs, sox, small flat	.7
		Collars and cuffs (each)	.6
Ladies' Garments		Puff caps	.5
Ladies Garmenis		Puff or press shoulders	.9
Dresses, plain	3.8	Covers, cushion	1.9
Dresses, fancy	5.5	Covers, chair	9.9
Sport shirts or blouses	3.0	Covers, divan	11.5
Aprons, waist	1.0	Bath or beach robes	3.6
Aprons, open-neck tea	2.0	Tablecloths	5.1
Aprons, closed-neck ted	3.0	Children's Garments	
Wash coats	4.6	Children's Garmenis	
Skirts	2.0	Boy's pants	2.5
Slacks	4.4	Boy's long trousers	4.1
Nightgowns	3.2	Boy's blouses	2.6
Slips	1.8	Child's washcoats	4.2
Panties	1.6	Child's bathrobes	2.0
Long underwear	3.3	Child's dresses	2.8
Brassieres	1.4	Child's panties	1.0
Didasides	1.4	Cinia's punnes	1.0

HAND-IRON COMPLETE

Garment	Points	Per Piece
Napkins	 	2
Slips		5
Blouses		6
Children's dresses	 	8
Table covers		8
Nightgowns		9
Robes		10
Silk dresses		13
Silk shirts		15

STANDARD PRODUCTION =100 points per operator per hour based on two standard mushrooms and one large press and full identification

OPERATOR PRODUCTION STANDARDS

	Standar	d Units	Operation	Standard	d Units
Operation		ator Hour		Per Opera	
IDENTIFICATION			Sport shirts		
Conveyor—economy	. 243.9	pounds pounds pounds	2-girl sport unit	. 20.9	pieces
small commercial		pounds	FLATWORK FINISHING		
Chute—homes only		pounds	Family work		
motels only		pounds	8-roll, 6 operators	. 43.4	pounds
Marking—bachelor bundles		pieces	8-roll, 5 ½ operators	. 45.2	pounds
commercial bundles	123.4	pounds	Family work—white flat only, 6-roll	. 44.2	pounds
Attaching identifying tabs					
shirts-list pieces					
Net service	1265.8	pounds	WEARING APPAREL FINISHING		
DAMP ASSEMBLY & DISPATCH			Half slip		pieces
Combination standard	25.8	bors	Blouse		pieces
Damp assembly		bars	Pajama pants		pieces
Damp dispatch		bars	Pajama top		pieces
Attach clips—wearing apparel			Panties		pieces
shirts			Brassiere		pieces
Bundle work dispatch		lots	Pants		pieces
			Dress		pieces
TUMBLING			Shirt, short sleeve		pieces
Tumble & fold—coveralls		pieces	Shirt, long sleeve		pieces
Tumble—family bundles		pounds	Full slip		pieces
Fold tumbled—family bundles		pounds	Shorts		pieces
Fold tumbled work—automatic wrapper	153.8	pounds	Sunsuit jacket		pieces
SHIRT FINISHING			Pedal pushers		pieces
			Nightgown		pieces
Regular shirts	25.0	-1	Sweater		pieces
2-girl unit #1		pieces	Swedier	. 43.4	biaces
2-girl unit #3		pieces	Continu	ed on pa	ige 102
3-girl unit	30.8	pieces	Continu	pro	0

FLATWORK IRONING

			standard	Units
Operation		Per	Operat	or Hour
WEARING APPAREL				
Hand ironing			108.6	points
Inspect & fold			465.1	points
LINEN SUPPLY FINISHING				
Coats			28.7	pieces
Uniforms			20.4	pieces
Doctor gowns			35.8	pieces
Barber gowns			35.8	pieces
Frocks			23.8	pieces
Ladies' aprons			71.4	pieces
Tea aprons			71.4	pieces
Vests			29.8	
S.V.A. robes		**	35.8	pieces
ASSEMBLY & WRAPPING				
Combination standard				
Detach clips w/a and shirts			304.8	clips
Shirts only			295.8	clips
Wearing apparel only			316.4	clips
Sort and check bundle work			248.7	pieces
Wrap shirts and wearing apparel				bundle
Wrap flat and tumble bundles—conveyor wrap	ping	* *	92.4	bundle
BLANKET DEPARTMENT				
Mark in pieces			46.2	pieces
Wash, card & hang				pieces
Wash & extract			24.1	pieces
Card or fluff			35.9	
Hang to dry			57.1	pieces
Take down, hand-iron binding, bag and seal			17.8	pieces
Take down, hand-iron binding and bag			27.3	pieces
Seal bags			51.5	pieces

Pounds P.O.H.	8-roll	8-roll commercial	6-roll 5 operators	6-roll 6 operators
Sheets	124.0	125.0	113.6	108.6
Pillowcases	90.0	71.4		
Table tops	72.9			
Tablecloths	61.7			
hospital	74.6			
Louis		109.8		
Napkins		28.9	31.3	40.8
small	28.5			
large	40.3			
Towels				
hand	69.4	44.4	79.3	75.7
dental	31.2			
roller	36.4	65.3		
soda	56.0	49.5	48.0	44.4
barber	37.7		41.4	38.4
continuous		129.8	99.0	91.7
Aprons, waist	81.9		97.0	90.9
bib	64.5		70.4	64.5
Bedspreads	98.0			
Drapes	54.6			
Bath towels	43.4			
Family	43.4			

31.2

54.6

54.6

40.8

60.6

90.0

Water supply

Hair cloths

Commercial

Slips

Raas

Scarf

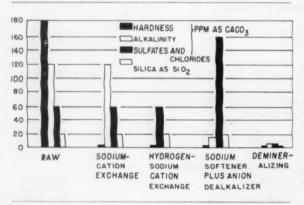
Mattress covers

Small commercial

Large commercial bundles

Blankets

ION-EXCHANGE SYSTEMS



Wide variety of ion-exchange systems tailor water to fit each need. Starting with raw water, left, ion-exchange systems selectively remove all or part of the dissolved solids. Sodium-cation exchangers soften water by substituting sodium for calcium and magnesium ions. If alkalinity is too high, blend of water from hydrogen and sodium-cation exchangers produces a soft low-alkalinity water. Use of a salt-regenerated-anion dealkalizer may fit the need. Here, raw-water alkalinity is on the high side for this treatment. Alkalinity is reduced, but chlorides are increased greatly. Demineralizing removed practically all dissolved solids, but if silica removal isn't needed, use a weakly basic anion-exchange material

WATER HARDNESS DATA

Water hardness is usually expressed in parts per million or grains per gallon of calcium carbonate. Similarly, exchange capacity is ordinarily expressed as grains of calcium carbonate per cubic foot of mineral.

60.6

64.1

44.0

68.4

60.6

40.8

44.4

Basically, two types of zeolites—natural and synthetic—are most commonly used in softening water. Natural zeolite (greensand) ordinarily operates in the range of 3,000 to 5,000 grains of calcium carbonate per cubic foot. Synthetic equivalents, although more expensive, will usually show exchange capacities ranging from 6,000 to 12,000 grains. Choice will depend on the exchange capacity desired or on minor chemical differences.

A synthetic zeolite with a high exchange capacity offers advantages when water hardness runs 10 to 20 grains per gallon. These advantages hold for operating satisfaction as well as space requirements.

Greensand is often preferred when water hardness runs 5 or 6 grains per gallon.

Water that is not very hard or, more especially, that is carrying much residual chlorine, such as many city waters, is likely to attack a synthetic zeolite and dissolve some of its silica content. Greensand is more resistant to this type of corrosion and also tends to hold up better in waters contaminated with iron. Unfortunately, greensand enjoys a very limited range of pH tolerance, 7.2 to 8.0. There are many synthetic zeolites with much wider service abilities.

CLASSIFICATION OF HARDNESS

One grain equals 17.1 p.p.m.

Soft: Three or less grains of hardness per U. S. gallon (51 p.p.m. or less)

Moderately hard: Three to six grains per gallon (52 to 102 p.p.m.)

Hard: Six to 18 grains per gallon (103 to 306 p.p.m.)

Very hard: More than 18 grains per gallon (above 307 p.p.m.)

TYPES OF WATER HARDNESS

There are two types of hardness, temporary and permanent. Temporary hardness is usually caused by the bicarbonates of calcium and magnesium, and can be removed by boiling. If the compound is in any of the other two forms, namely sulfates or chlorides, it cannot be removed by merely boiling the water. This type of hardness is known as permanent.

WHAT IS PH?

Water is a chemical compound composed of two atoms of hydrogen and one of oxygen (H₂O). One of these hydrogen atoms carries a positive electrical charge and is known as the hydrogen, or H, ion. The other hydrogen atom is combined with the single oxygen atom and this combination, which has a negative electrical charge, is called the hydroxyl or OH, ion.

Pure water contains equal numbers of H and OH ions. Thus, pure water is neutral since there is a balance between the positive and negative electrical charges. Many substances, when dissolved in pure water, upset the balance between the H and OH ions. When more OH than H ions are present water is alkaline. When more H than OH ions are present water is acid.

The product of the H and the OH ions in a solution remains constant at the same temperature. Doubling the number of H ions halves the number of OH ions, and vice versa. Thus, merely measuring the concentration of H ions tells how acid or alkaline a solution is, For this purpose the pH scale, ranging from 0 to 14, was devised.

The neutral point on the pH scale is 7. Acidity is measured downward from 7 to 0; alkalinity runs from 7 to 14. It will be noted that the scale is worked out mathematically in such a way that the relation of change between one full number and the next is tenfold.

Laundry practice has shown that certain OH ion (alkali) concentrations produce maximum detergent action. Bicarbonate in the water supply and soil in the clothes act as acids and consume OH ions. In the neutralizing of these factors and the achieving of the alkali concentration required, the pH test is a convenient and necessary yardstick for efficient washroom practice.

The practical washroom working limits range from pH 4.0 to pH 11.6. The safe limits are a little broader, from pH 3 to pH 12.

MEASURING PH

The colorimetric method is the most practical way for measuring pH in the washroom. Several kits are available. One involves filling a test tube with water from the washwheel and adding a measured quantity of special indicator to produce a characteristic color. This colored solution is then compared with a series of standard solutions which have known pH values and thus the pH of the washing solution is readily determined.

Another colorimetric method uses 10 drops of a standard indicator in 25 ml. of the solution to be tested. The color produced is compared to standards on a color chart to determine the pH.

PH VALUES USED IN WASHROOM CONTROL

pH Scale	0	
A	1	
C	2	
1	3	
D		— 3.5—Rust removal
1		- 3.5-Sour fugitives, silk and woo
T	4	to destroy bacteria
Υ	5	
	6	- 5.0-Sour starch work
Neutral	7	— 6.0—Sour sheets
Α	8	
L		— 8.0—Safe point to stop rinsing
K	9	
A	10	—10.0—Suds on wool or silk, also
L		first rinse10.6-First suds, light soil and sub-
1		sequent suds for medium
N _	11	and heavy soil
1		-11.6-First suds or break for
T	12	medium and heavy soil
Y		
	13	
	14	

Source: Hotel Textile Purchasing Guide

TITRATION DEFINED

Titration is a means of measuring the amount of alkali present in a load while pH stands for the degree of alkalinity. Each measurement serves a definite purpose. Used together, they give a clear picture of what is occurring during washing.

There are weak and strong alkalies and acids. It is possible to reach a high degree of alkalinity by using a small amount of a strong alkali, but there may not be enough alkaline material present to do a good job of washing. Similarly, adding a large amount of a weak alkali may result in a relatively low pH value. Although there is a large amount of alkaline material present, the pH value may be too low to assure good washing.

COMPUTING CAPACITIES OF TANKS AND JARS

Square or rectangular

- To compute cubic contents multiply length by width by depth. For example, the cubic contents of a tank 10 feet long, 6 feet wide and 4 feet deep is 240 cubic feet,
- 2. Since 1 cubic foot equals 7½ gallons, the tank above would hold 1,800 gallons. (7½ × 240 = 1,800 gallons.)

Cylindrical or round

- 1. Square the diameter and multiply by .7854. Then multiply by the length or depth to obtain cubic contents. Capacity of a cylindrical tank 4 feet in diameter and 6 feet in length is 75.3984 cubic feet, $(4 \times 4 \times .7854 \times 6 = 75.3984$ cubic feet.)
- With 7½ gallons per cubic foot the tank would hold 565.49 gallons.

Note: When dimensions include both feet and inches or inches alone reduce all to feet or to inches before multiplying. If measurements are all in inches, the answer will be cubic inches. To reduce cubic feet to cubic inches multiply by 1728. (1728 cubic inches = 1 cubic foot.)

Power plant

Power plant requirements

Whether planning expansion of an existing laundry plant or building from the ground up, some method must be used for arriving at an accurate estimate of probable power requirements. The electricity, steam and air used by every item of equipment must be taken into consideration. Mistakes in calculating power demands on boilers, engines, generators, air compressors, etc., can result in excessive investment and operating cost.

A reasonably accurate approximation of plant power requirements can be made as follows:

Steam: In most laundries the largest single item of steam demand is water heating. Ordinarily the heating of water requires about two-thirds of the boiler output with the remaining one-third going to other plant equipment. When calculating the amount of steam that must be available for heating water it is advisable to use the figure representing the maximum hourly hot water consumption. It has been found in actual practice that the total water consumption in the average plant is about 4½ gallons per pound of clothes.

The total steam requirement for a plant is found by obtaining the sum of the steam required for processing equip-

ment, steam needed for heating water, and steam required to operate the engine. To the sum thus obtained it is advisable to add 10 percent to allow for unavoidable losses.

Electricity: The average electrical load for a plant is estimated by taking 60 percent of the sum of the rated horse-power of all motors in the plant. The maximum electrical load is estimated by taking 80 percent of the total rated motor horsepower.

Air: Compressed air required is determined by obtaining the sum of the compressed air requirements of all the machines in the plant.

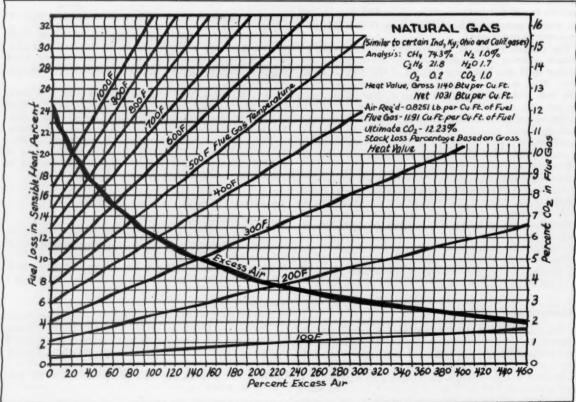
Source: AIL

Boiler efficiency

The operator of the average small plant does not have the time or money or, in most cases, the know-how to run a series of elaborate tests and go through cumbersome tables to check on his boiler efficiency. He can and should, however, see to it that routine tests are made.

The two principal indications of boiler efficiency are car-

BOILER EFFICIENCY CHART FOR NATURAL GAS



Source: Air Conditioning, Heating and Ventilating

In this chart, fuel loss in sensible heat percent may be interpreted as boiler efficiency. Zero fuel loss would be equivalent to 100 percent efficiency; 10 percent fuel loss to 90 percent efficiency, and so on. Assuming that CO₂ and flue gas temperature are known, read across from right on CO₂ line to intersection of excess air curve. From intersection read straight up or down to intersection of flue gas temperature line. This point, carried straight across to fuel loss axis, indicates fuel loss. Assume that CO₂ percent is 6 and flue gas is 600° F. Reading from right on 6, line intersects excess air curve about 105. Then, reading straight up to 600° F line, we get a fuel loss of approximately 19.5 percent

bon dioxide (CO₂) content and temperature of the flue gas. Generally speaking, the higher the CO₂ content and the lower the flue gas temperature, the more efficient the boiler. Optimum CO₂ content varies with the fuel, but it averages around 15 percent for coal and oil, With natural gas, 10 to 12 percent would be tops. Only in rare cases can the optimum be achieved at all times. If your boiler, firing coal or oil, operates with an 11 percent CO₂ and a flue gas or stack temperature of 450 to 600° F, it will be operating at better than 75 percent efficiency.

To obtain these readings, two instruments are required. An Orsat analyzer indicates CO_2 , carbon monoxide and oxygen content of the flue gas. Simpler types of Orsats measure only CO_2 . The other instrument is a flue gas thermometer with a range of 400 to 1000° F. The readings should be taken when the boiler is carrying its heaviest load.

In many cases a local plumber or heating-installation man is equipped to take the required readings. Once the readings are obtained, it is merely a matter of adjusting the firing controls to gain maximum efficiency. It goes without saying that the boiler must be kept clean at all times.

The procedure outlined above should be a part of regular plant maintenance and should be checked at least once

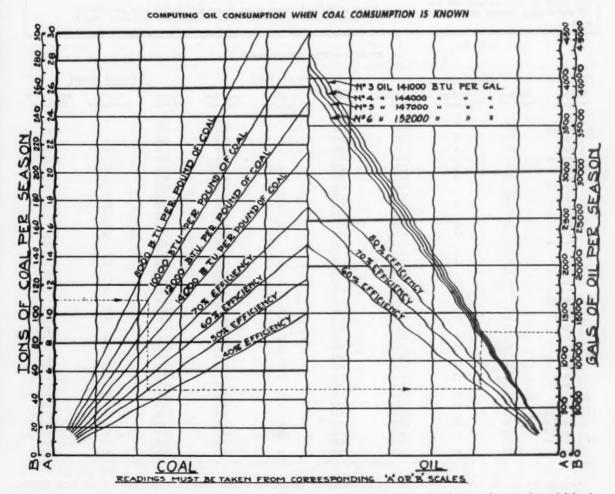
a month. A more complete checkup involving such factors as excess air and carbon monoxide should be attended to once a year.

The chart on the preceding page may be used to compute boiler efficiency, given CO₂ content and flue gas temperature.

PERCENTAGE OF BOILER FAILURES DUE TO HUMAN ERROR

Cause	Steel Fire- Tube Boilers	Steel Water- Tube Boilers	Cast-Iron Boilers
Failure to clean	12.2%	25.0%	0.3%
or auxiliaries	3.0%	1.2%	1.0%
Failure to test and maintain control devices	53.0%	15.3%	28.7%
Failure to blow down properly .		1.1%	0.1%
Failure to maintain water level .		14.3%	9.3%
Failure to regulate properly External causes (blows.	0.7%	3.5%	1.8%
freezing, etc.)	1.7%	2.1%	4.5%
Totals	85.2%	62.5%	45.7%

Source: Hartford Steam Boiler Inspection & Insurance Co.

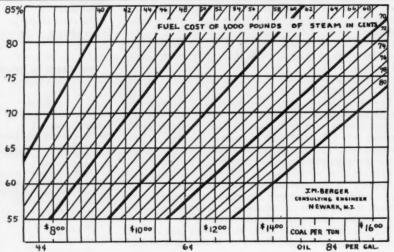


When coal consumption is known, this chart permits ready estimation of comparative gallons of oil required. Locate coal consumption on left-hand A or B scale, read right to the heat content, down to the efficiency curve. From this point trace horizontally right to the assumed oil efficiency, up to the grade of oil assumed, then right to the corresponding A or B scale for oil and read to the comparative oil consumption. As illustrated in the dotted lines above, if a plant burns 110 tons of 10,000 B.t.u. coal at an efficiency of 50 percent, a comparative oil burning installation using No. 4 oil at 60 percent efficiency will require 13,000 gallons of oil for the same period. The chart may be used in reverse when oil consumption is known to estimate comparative tons of coal needed for a like period of time

Continued on page 106

STEAM COST CHART

Chart indicates the cost of steam at varying prices for coal and oil with different over-all operating efficiencies. From cost of oil or coal at the bottom of chart trace up to point of assumed boiler efficiency on the scale at the left. The point of in- 75 tersection on the slanting line will show fuel costs per 1,000 pounds of steam and can be read to nearest cent or to a tenth of a cent by proportion. For example, a laundry using No. 6 Bunker C oil selling at 5.2 cents per gallon with a boiler of 65 percent efficiency will be paying 53.4 cents per 1,000 pounds of steam. Improving the boiler efficiency to 75 percent will cut steam cost to 46 cents, resulting in a saving of 7.4 cents per 1,000 pounds. Or a 70 percent efficient boiler burning 14,000 B.t.u. coal selling at \$10 per ton will deliver 1,000 pounds of steam at 51 cents per 1,000 pounds. This chart may be used in plotting the comparative costs of coal and oil or for figuring possible savings from stokers and combustion controls. If fuel costs go higher than shown on chart use one half fuel cost and multiply resulting cost of steam by 2



Based on 14,000 B.t.u. per pound of coal and 150,000 B.t.u. per gallon of oil, steam pressure 105 pounds gauge, moisture 2%, feed water 205° F

STORAGE HEATER REQUIREMENTS

		General Laundry			Wet and Family			Flatwork Laundry		
Number Washers		Gallons Per Hour	Engine Horsepower	Storage Size (Gallons)	Gallons Per Hour	Engine Horsepower	Storage Size (Gallons)	Gallons Per Hour	Engine Horsepower	Storage Si (Gallons
	Small	75	3	100	100	4	100	150	6	100
4	Medium	100		150	150		150	250		150
	Big	140	5	200	210	6	175	350	8	175
	Small	150	5	150	200	6	150	300	8	150
	Medium	200		200	300		175	500		175
	Big	280	8	250	420	9	200	700	11	200
	Small	225	8	250	300	9	200	450	10	200
3	Medium	300		300	450	0	250	750		250
	Big	420	12	400	630	11	300	1050	13	300
	Small	300	9	300	375	11	250	575	12	250
	Medium	400		400	575		300	950		300
	Big	550	1.5	500	800	14	400	1350	16	400
	Small	350	12	400	450	12	300	700	14	300
5	Medium	475		500	700		400	1150		400
	Big	675	20	600	970	16	500	1650	20	500
	Small	400	18	500	525	1.5	400	825	16	400
5	Medium	550		600	825		500	1350		500
	Big	775	25	700	1140	20	600	1950	23	600
	Small	450	20	600	600	16	500	950	18	500
7	Medium	625		700	950		600	1550		575
	Big	900	30	800	1300	20	700	2250	25	650
	Small	500	25	700	675	1.8	600	1075	20	575
	Medium	700		800	950		700	1750		650
	Big	1015	35	900	1450	25	800	2525	28	725
	Small	550	30	800	750	20	700	1200	25	650
9 -	Medium	775		900	1075		800	1950		725
	Big	1125	38	1000	1600	28	900	2800	33	800
	Small	600	35	1000	850	25	800	1325	27	725
) -	Medium	850		1100	1200		900	2150		800
	Big	1240	45	1200	1750	33	1000	3075	37	875
	Small	650	40	1100	925	28	900	1450	30	800
١,	Medium	925	70	1200	1325		1000	2350		875
	Big	1350	50	1300	1900	35	1100	3350	40	950
	Small	700	45	1300	1000	30	1000	1575	35	870
1	Medium	1000	70	1400	1450	30	1100	2550	-	950
	Big	1460	60	1500	2050	38	1200	3600	45	1025

Source: Whitlock Mfg. Co.

Although no definite rule can be applied to the selection of the proper storage heater to cover conditions in every laundry, this table indicates requirements usually applicable to various types and sizes of plants, Output in gallons per hour is figured for a temperature increase of from 40 degrees to 180 degrees Fahrenheit. Heating to 160 degrees, it is

possible to obtain one-fifth more water with the same engine and heating unit.

In those plants where a preheater is used and water comes to the storage heater at temperatures well above 40 degrees, proper allowance must be made in the size of heater selected.

INTERNAL BOILER TREATMENT CHEMICALS FOR SCALE PREVENTION

Name	Formula	Use	Advantage	Disadvantage
Sodium Hydroxide (Caustic Soda)	N⊕OH	To establish alkalinity. To precipitate magnesium.		Removes only magnesium hard- ness. Alkalinity must be carefully controlled.
Sodium Carbonate (Soda Ash)	Na ₂ CO ₈	To establish alkalinity. To precipitate hardness.	Low cost. More easily handled than caustic soda. See "Tannin."	CaCO ₃ forms scale. Na ₃ CO ₃ breaks down releasing CO ₃ with steam. Develops alkalinity. Must be con- trolled like caustic.
Sodium Silicate (Water Glass)	Na ₂ SiO ₃	"Boiler metal coating."	None	Will actually form scale.
Sodium Aluminate	Na ₂ Al ₂ O ₄	Precipitates calcium and magnesium.	None	High alkalinity. Analcite type scale.
Sodium Phosphate	NaHsPO4 NasHPO4 NasPO4 NaPOs	To precipitate calcium.	Calcium phosphate is least adherent of crystalline precipitates.	Finely divided Ca ₃ (PO ₄) ₃ favors carryover. If fed continuously will cause feed-line deposits.
Tannins and Lignins	Organics of varying constitution	Prevent feed-line deposits. To coat scale crystals to prevent adherence.		No control. Inert with respect to hardness removal. Breakdown un- der heat.
Starch	(C ₆ H ₁₀ O ₅) x	ditto	Some slight success due to slimy coating.	ditto
Reactive Colloids	High molecular weight organic complexes. Sodium mannuronate	To provide fluid sludge. To minimize carryover.	Actual reaction with calcium and magnesium. Marked adsorption effect on crystalline precipitates.	No direct control.
		minimize carryover.		Course W U Date and I

Source: W. H. Betz and L. D. Betz

TYPICAL TABLE OF FACTORS

For Determining Trap Capacities at Reduced Pressures

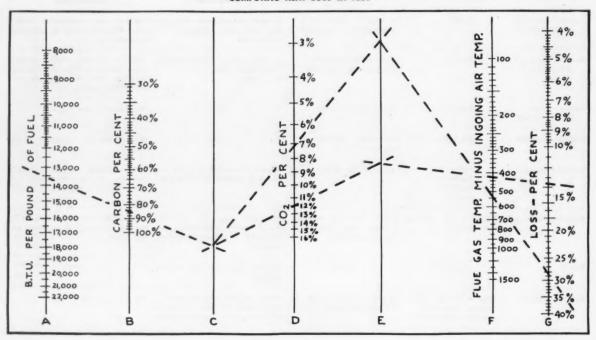
Minim									Maximu	m Oper	ating I	ressure							
Opera: Pressi		5#	10#	15#	20#	30#	40#	50#	60#	70#	80#	90#	100#	125#	150#	200#	225#	250#	300
1/10	lb.	.14	.10	.09	.08	.07	.06	.05	.05	.05	.04	.04	.04	.04	.04	.03	.03	.03	.03
1/4	lb.	.22	.16	.14	.12	.10	.09	.08	.07	.07	.07	.06	.06	.06	.05	.05	.04	.04	.04
1/2	lb.	.32	.22	.19	.17	.14	.12	.11	.10	.09	.09	.08	.08	.07	.07	.06	.06	.05	.05
1	lb.	.45	.32	.26	.23	.19	.17	.15	.14	.13	.12	.11	.11	.10	.10	.09	.08	.08	.08
2	lb.	.63	.45	.36	.33	.27	.23	.20	.19	.18	.17	.16	.16	.15	.13	.12	.11	.11	.11
3	lb.	.78	.55	.45	.40	.33	.29	.27	.24	.23	.21	.20	.19	.18	.16	.15	.14	.13	.13
4	lb.	.89	.64	.52	.46	.38	.33	.30	.27	.26	.24	.23	.23	.20	.19	.17	.16	.15	.15
5	lb.	1.00	.71	.58	.52	.43	.37	.34	.31	.29	.27	.26	.25	.23	.21	.19	.18	.18	.16
10	lb.		1.00	.82	.72	.61	.52	.48	.44	.41	.39	.37	.36	.32	.30	.27	.26	.25	.23
15	lb.			1.00	.85	.73	.62	.59	.56	.51	.48	.45	.43	.39	.36	.32	.30	.29	.27
20	lb.				1.00	.83	.73	.66	.61	.58	.55	.51	.49	.44	.42	.36	.34	.33	.31
25	lb.					.91	.80	.73	.69	.65	.61	.55	.53	.47	.46	.40	.38	.37	.34
30	lb.					1.00	.88	.79	.75	.70	.66	.60	.59	.54	.50	.45	.42	.41	.38
40	lb.						1.00	.90	.84	.80	.76	.69	.67	.61	.57	.50	.48	.46	.43
50	lb.							1.00	.93	.89	.84	.78	.75	.68	.63	.56	.53	.51	.48
60	lb.								1.00	.93	.88	.83	.80	.73	.68	.60	.57	.55	.52
70	lb.									1.00	.94	.89	.85	.78	.73	.64	.61	.59	.55
80	lb.										1.00	.95	.91	.82	.75	.68	.66	.63	.59
90	lb.											1.00	.95	.87	.81	.71	.68	.66	.61
100	lb.												1.00	.91	.85	.75	.73	.70	.64
125	lb.													1.00	.93	.83	.80	.75	.71
150															1.00	.89	.86	.80	.75
175	lb.															.94	.92	.87	.81
200																1.00	.96	.90	.85
225	lb.																1.00	.97	.90
250	lb.																	1.00	.93

Although a steam trap will operate at pressures below those for which it is designed, the capacity decreases with the fall in pressure. The table above gives correction factors for determining trap capacities at reduced pressures. Locate the normal operating pressure in the top line; follow down this column to the reduced pressure desired. The point of intersection shows the correction factors; multiply the normal trap capacity by the correction factor, and the product

is the trap capacity under the reduced pressure, For example, if a trap designed for 225 pounds pressure delivers 1800 pounds of condensate per hour at maximum operating pressure, at 70 pounds pressure the capacity will be 1800 \times .61 (correction factor in this case) = 1098 pounds of condensate per hour at the reduced pressure, Excess condensate in heated equipment lowers the temperature.

Continued on page 108

COMPUTING HEAT LOSS IN FLUE



Using this chart to compute heat loss in the flue, zigzag a ruler through the columns from left to right, as shown by the dotted lines.

For example, the heat value of coal used in a certain plant is 13,500 B.t.u. per pound; 85 percent of the coal is carbon; the flue gas contains 7 percent CO₂; the flue gas temperature is 600 degrees F, and the temperature of the air entering the furnace is 75 degrees F. What is the heat loss up the chimney due to low CO₂ and the temperature rise of (600 degrees minus 75 degrees) 525 degrees F?

Applying the chart, the dotted lines show the solution of the problem as follows: Run a straight line through the 13,500 B.t.u., column A, and the 85 percent carbon, column B, and locate the intersection in column C. Then run a line through that point in column C and the 7 percent CO₂ in column D, locating a point in column E. Trace a line through that point in column E and the 525-degree difference, col-

lumn F, and the intersection with column G shows the fuel loss to be 27.7 percent.

Assume furnace conditions are improved to the extent that CO₂ becomes 12 percent and flue gas temperature is reduced to 500 degrees F. The temperature of the air entering the furnace is still 75 degrees F, hence the "difference," column F, is 425 degrees.

Applying the chart, the same point in column C is located as already indicated. Then run a straight line through that point and the 12 percent CO₂ in column D, locating a new point in column E. Then from this latter point run through the 425 degrees in column F and the fuel loss, as indicated in column G, is found to be 13.7 percent.

Obviously now, the saving in fuel due to improvement in conditions is the difference between the two losses as computed above: 27.7 percent minus 13.7 percent = 14 percent saving.

SPECIFICATIONS FOR FUEL OIL

	Grade of Fuel Oil	% Water	Carbon Residue			Viscosity Saybolt	
Number	Description	and Sediment	on 10% of Sample	Ash %	Sulfur %	Universal at 100° F	A.P.I.
1	Distillate oil intended for vaporizing pot-type burners, some diesels	Trace	0.15	-	0.5	_	35 minimur
2	Distillate oil for general purpose domestic heating and for use in diesels not requiring No. 1 grade	0.10	0.35	_	1.0	40	26 minimum
4	A blend to give an oil for certain burner in- stallations not equipped with preheating facilities	0.50	-	0.10	No limit	125	-
5	Residual type oil for burner installations equipped with preheating facilities	1.00	-	0.10	No limit	None set	-
6	Oil for use in burners equipped with pre- heaters permitting a high viscosity fuel	2.00	-		No limit	None set	

Source: National Bureau of Standards

SIZES FOR BOILER COMBUSTION CHAMBERS

Method of Firing	B.t.u. Per Cubic Foot	Approximate Cubi Feet Required Per Hp.
Hand	50,000	1 1/10 cubic feet
Stoker	45,000	1 cubic foot
Oil	30,000	1 1/2 cubic feet
Pulverized Coal	20,000	2 1/4 cubic feet
Gas	30-35,000	1 1/2 cubic feet

In computing cubic contents of combustion chambers measure the depth to bridgewall for underfeed stoker and hand firing; the entire depth for pulverized coal, oil or gas firing and for spreaders or overfeed stokers. Width times height times depth will give the cubic contents. From the table, an oil-fired installation requires 1½ cubic feet of combustion chamber per horsepower, thus a 50 hp. boiler should have about 75 cubic feet of combustion chamber.

STEAM-LINE SUGGESTIONS

Choose pipe sizes large enough to provide for future expansion. It is more economical to select a somewhat oversized supply or return line from the start than to replace or supplement it at a later date.

Use a separate line for low-pressure returns. If both highand low-pressure traps discharge to a common return, back pressure from the high-pressure units may interfere with drainage from the low-pressure units.

Pitch return lines down. If the condensate must be elevated, then do one of the following:

1. Install an overhead return line where practical and where the lift, in feet, plus back pressure, is not greater than 25 percent of the initial steam pressure.

2. Install a floor-line return header pitching down to a lift fitting or water seal from which the condensate can be elevated vertically. For moderate lifts, back pressure caused by flash steam from trap discharge will elevate the condensate.

3. Where condensate must be moved against excessive pressures caused by extra-high lifts or undersized return lines, have condensate drain to receiver from which it can be pumped. Back pressure caused by flash steam will assist in the pumping action.

Trap capacity is reduced 10 percent if back pressure is 19 percent of initial pressure. The loss is 50 percent if back

pressure reaches 75 percent of initial pressure. If high back pressure cannot be relieved, select traps on the basis of pressure differential rather than maximum steam pressure.

STEAM-LINE SIZES

Number of Presses	Size Steam Line
1-2	1/2 inch
3-4	¾ inch
5-6	1 inch
6-10	1 1/4 inches
10-14	1 1/2 inches
14-25	2 inches

STEAM TEMPERATURES AT VARIOUS PRESSURES

Lb. Pressure Per Sq. In.	Temperature °F*	Lb. Pressure Per Sq. In.	Temperature °F*
0#	212°	65#	312°
5	227	70	316
10	239	75	320
15	250	80	324
20	259	8.5	328
25	267	90	331
30	274	95	335
35	281	100	338
40	287	105	341
45	292	110	345
50	298	115	348
55	303	120	351
60	307	125	353

* Fractional temperature to nearest integer.

Water boils at 212 degrees Fahrenheit or 100 degrees Centigrade. As the steam begins to form in a closed container the pressure rises and the temperature of the steam increases. Temperature of saturated steam varies directly with the pressure in the boiler. A press taking steam at 100-pound pressure will yield a surface temperature of 338 degrees Fahrenheit.

TEMPERATURE SCALE CONVERSIONS

To convert degrees Fahrenheit to degrees Centigrade, subtract 32 degrees and multiply by five-ninths. To convert Centigrade to Fahrenheit, multiply by nine-fifths and add 32 degrees.

GRAVITY, VACUUM AND HIGH-PRESSURE RETURN PIPE SIZES

Condensate	Capacities	lb./	hr.

Condensate Velocities ft./sec.

	Grav	ity	Vacu	um				ligh P	ressure R	eturn-	-Steam	Supply	Press. i	in Lb.	Gauge			
Pipe	Return		Retu		15		25		40		50		75		100)	12	5
Size	Сар.	Vel.	Cap.	Vel.	Cap.	Vel.	Cap.	Vel.	Cap.	Vel.	Cap.	Vel.	Сар.	Vel.	Cap.	Vel.	Сар.	Vel.
3/4"							240		285		310		370		420		480	
1"	200	.15	295	.22	405	0.0	475	.35	565	.42	610	.45	730		1730		975	
1 1/4 "	395	.17	610		840		1040	.43	1195	.51	1285	.55	1520 2380		2675			1.00
1 1/2 "	570	.18	955	.30	1350		1610	.51	1880 3940	.59	2070 4250	.81	5100			1.10	6700	
2 "	1100	.21	2000	.38	2840		3300	.63				.95	8400		1	1.29	11000	
3"	1720	.23	3225	.43	4720		5540	.74	6510		7110		15200		17400		19800	
3"	2880	.25	5400	.47	8060		9900	.86	11600		12900						29400	
31/2"	4300	.28	7900	.51	12100		14700	.95	17600		19400		22500		26000			
4"	6300	.32	10800	.55	16700		20000		24400		27000		31900		36500		42000	
5"	11000	.35	19400	.62	31100		38250		47000		51200		60800		69200		79000	
6"	18000	.40	30600	.68	49000	1.09	60900	1.35	74000	1.64	82000	1.82	97000	2.16	112200	2.50	128000	2.85
Approx Hd. Loss Ft. Per 1000 Ft.*	.25		.75		1 1/2	2	2 1/2		3 1/3		4 1/2		5 1/2	2	8		9 1/3	5

^{* 2} ft. loss=1 p.s.i.g. loss

Useful information

DIMENSIONS OF STANDARD WROUGHT PIPE

Adequate water supply in the washroom is dependent upon proper balancing between main lines and washer feeder pipe requirements. A battery of ten washers, six taking 2-inch lines and four taking 11/2-inch lines, will require a 6-inch main. From the chart, six 2-inch pipes

Actual Nominal Inside Outside Inside Cross-Size in Diameter Circumference Section Area (Square Inches) Inches (Inches) (Inches) .269 1.272 .057 1.696 .104 .364 .493 2.121 .191 .622 2.639 304 .824 3.299 .533 1.049 4.131 .864 1.495 1.380 5.215 1.610 5.969 2.038 1 1/2 2.067 7.461 3.355 2 1/2 9.032 2.469 4.787 3.068 10.996 7.393 3 1/2 12.566 3.548 4.026 14.137 12.730 4 1/2 4.506 15.708 15.961 5.047 17.477 20.006 5 6.095 6 20.813 28.891 38.484 7.981 27.096 50.027 9 63.617 10.020 10 31.368 78.855 40.056 111.930 12 11,938

Source: AIL

require 6 × 3.355 square inches + four 1½-inch lines, $4 \times 2.036 = 28.274$ square inches required. A 6-inch pipe has a total cross-sectional area of 28.891 square inches which will allow for possible future expansion.

Since all washers will not be filling at the same time, a 20 to 25 percent reduction in capacity is permissible between the main line and total requirements of all feeder lines. In the case cited above, a 5-inch main would provide 30 percent less water than the 6-inch pipe; this might be satisfactory with staggered loads, but it would allow no provision for future expansion and would be inadequate for peak requirements.

EXPANSION OF PIPE

Increase in length inches per 100 feet

Temp.	Steel	Wrough	t Brass or Copper	Temp.	Steel	Wrought	Brass or Copper
20	.15	.15	.25	220	1.80	1.85	2.65
40	.30	.30	.45	240	2.00	2.05	2.90
60	.45	.45	.65	260	2.15	2.20	3.15
80	.60	.60	.90	280	2.35	2.40	3.45
100	.75	.80	1.15	300	2.50	2.60	3.75
120	.90	.95	1.40	320	2.70	2.80	4.05
140	1.10	1.15	1.65	340	2.90	3.05	4.35
160	1.25	1.30	1.90	360	3.05	3.25	4.65
180	1.45	1.50	2.15	380	3.25	3.45	4.95
200	1.45	1.65	2.40	400	3.45	3.65	5.25

Allowance for expansion in any given run of pipe is dependent upon the variations in temperature to which the pipe will be subjected. The table gives expansion in inches per 100 feet of different type pipes at various degrees temperature. To compute the amount of expansion to be provided in specific lengths of pipe, read from the table the figure showing maximum expansion for 100 feet at the temperature expected. Divide this figure by 100 to determine the expansion per foot and multiply by the length of pipe under consideration. For example, 80 feet of steel pipe taking water at 180 degrees Fahrenheit will require an allowance of 1.16 inches for expansion (1.45, from the chart, $\div 100 \times 80 = 1.16$ inches).

PROPORTIONS BETWEEN FEED PIPES AND MAIN LINES

(Number of smaller pipes to equal cross-sectional area of one larger pipe)

Main Line Sizes		Feed Pipe Sizes (Inches)													
(Inches)	3%	1/2	3/4	1	11/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	
36	1														
1/2	1.6	1													
1/2 3/4	2.8	1.8	1												
1	4.5	2.8	1.6	1											
11/4	7.8	4.9	2.8	1.7	1										
1 1/2	10.6	6.7	3.8	2.4	1.4	1									
2	17.6	11.0	6.3	3.9	2.2	1.6	1								
2 1/2	25	15.7	9.0	5.5	3.2	2.4	1.4	1							
3	39	24.3	13.9	8.6	4.9	3.6	2.2	1.5	1						
3 1/2	52	32	18.5	11.4	6.6	4.8	2.9	2.1	1.3	1					
4	67	42	24	14.7	8.5	6.3	3.8	2.7	1.7	1.3	1				
41/2	83	52	30	18.5	10.7	7.8	4.8	3.3	2.2	1.6	1.3	1			
5	105	66	38	23	13.4	9.8	6.0	4.2	2.7	2.0	1.6	1.3	1		
6	151	95	54	33	19	14.2	8.6	6.0	3.9	2.9	2.3	1.8	1.4	1	

Source: AIL

This table may be used when washer feed pipes of one size only are to be taken from a main line, From the chart

one 6-inch main. Since the area of the main line ordinarily may be 25 percent less than total of all pipes to the washers, 8.6 2-inch pipes are equivalent in cross-sectional area to ten 2-inch lines may be taken from a 6-inch main.

DIMENSIONAL DATA, PRESSURE LIMITS OF POLYVINYL CHLORIDE PIPE

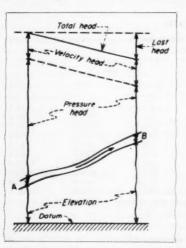
					Тур	e I			Туре	11	
Nominal Diameter, Inches	Outside Diameter, Inches	Inside Diameter, Inches	Wall Thickness, Inches	Pressu	Operating re, p.s.i. degrees	Pressu	Operating re, p.s.i. degrees	Press	m Operating ure, p.s.i. degrees	Press	m Operating ure, p.s.i. 0 degrees
				Plain	Threaded	Plain	Threaded	Plain	Threaded	Plain	Threaded
				Schedu	le A—Light	weight					
1/2	0.840	0.750	0.045	165	_	90	_	145	_	40	
3/4	1.050	0.940	0.055	145		80	-	125	_	35	-
1	1.315	1.195	0.060	130		73	-	110	_	30	
11/4	1.660	1.520	0.070	115	_	65		100	-	25	_
1 1/2	. 1.900	1.740	0.080	115	_	65		100		25	-
2	2.375	2.175	0.100	115	_	65	_	100	-	25	_
2 1/2	2.875	2.635	0.120	115		65	-	100	-	25	-
3	3.500	3.220	0.140	115	_	65	-	100	_	25	-
4	4.500	4.100	0.200	115	_	65	-	100	_	25	_
					Schedule 40						
1/2	0.840	0.622	0.109	410	_	220	_	335	_	90	_
3/4	1.050	0.824	0.113	335	_	180		275	_	70	_
1	1.315	1.049	0.133	310	_	170	_	255	_	70	_
1 1/4	1.660	1.380	0.140	255		140	_	210	_	50	
1 1/2	1.900	1.610	0.145	230	_	125	_	190	_	45	_
2	2.375	2.067	0.154	195	_	110	-	160	_	45	_
2 1/2	2.875	2.469	0.203	200		110	_	165	_	50	-
3	3.500	3.068	0.216	185		100	_	150	_	40	-
4	4.500	4.026	0.237	155	-	8.5	_	130	_	30	_
6	6.625	6.065	0.280	125		65		105	-	30	_

PIPES

Pressure head may be looked on as the force the fluid exerts against the walls of the pipe. It is the only part of the total head shown by a pressure gauge. Pressure head, in feet, equals 0.433 times the pressure, in p.s.i., divided by the specific gravity of the fluid.

Pipe friction. Commercial pipes aren't smooth, so some of the fluid's energy is wasted in friction. Thus in flow from one point to another there is always a loss of head due to friction. We should, therefore, restate the general rule as follows: When a fluid flows from one point to another, the sum of the elevation, velocity and pressure heads at the second point is equal to the total head at the first point, minus

friction loss.



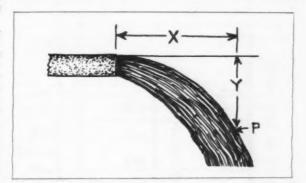
The sketch illustrates this rule. Fluid flows in pipe of constant crosssection from point A to B. At A it has elevation head, pressure head and velocity head as indicated. Since section doesn't change, velocity is constant and there's no change in velocity head. Point B is higher than A. so elevation head increases. Pressure head at B is much less than at A, because part of it has

been used in lifting the fluid from A to B and thus shows up as elevation head B. Also, part of pressure head has been used in overcoming pipe friction. The difference in total head between A and B is head lost to friction.

FLOW OF LIQUID WITHOUT A METER

Rule: Measure the internal diameter of the pipe in inches and "square" it. Thus, if the internal diameter is 2 inches you will have $2\times2=4$. Then multiply by the distance X in inches. Thus, if the distance X is 20 inches you will have $4\times20=80$. Then multiply that by 2.56; this gives us 80×2.56 equals 204.8. Last, divide that by the square root of the distance Y. Thus, if the distance Y is 25 inches, the square root of 25 is 5. Dividing 204.8 by 5 we get 40.96 gallons per minute, which is the answer.

Note carefully that all measurements are in inches and not in feet, and the answer is always in gallons per minute.



A short cut that will make your work easy is to choose a point P that is down a distance 9 inches, 16 inches, 25 inches, or 36 inches, etc., because their square roots are 3, 4, 5 and 6 respectively. In that way it will not be necessary for you to refer to tables of square roots or to arduously extract a square root by longhand.

In the event that you might want to convert the above answer into cubic feet per minute, divide by 7.5 as there are approximately 7.5 gallons in a cubic foot.

Continued on page 112

Length of hose includes three factors: Bending Distance A, Travel of Hose M (T+T') and Coupling Factor C. With installation at minimum bending distance A and no travel, take length L from table. For hase subject to travel and installed at distance A, take L from table and add one-half travel when T and T are equal; when they are not, add the larger. To cal-

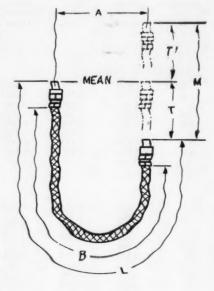
culate hase length independently, use following formulas:

Hose 1. D. 1/4" to 2": Length = 21/2 A + C + T (use T or T' whichever is greater)

Hose I. D. 21/2" to 6": Length L = 1 1/4 A + C (no travel)

HOSE I.D.	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
A	8"	10"	12"	16"	18"	20"	24"	26"
8	20"	24"	30"	38"	44 "	50"	56"	62"
c)	4-1/2"	5"	5-1/2"	6"	7"	7-1/2"	8"	8"
1	25"	29"	36"	44"	51"	58"	64ª	70"

HOSE 1.D.	1-1/2"	2"	2-1/2"	3"	3-1/2"	Ha.	5"	6"
A /	28"	30"	64"	72"	78"	84"	108"	120"
В	68"	72"	9' 6"	10" 4"	11'4"	12' 6"	18 FT.	18 FT.
c	9"	9"	9"	11"	-	-	-	-
L (77"	81"	10 FT.	11' 6"	-	-	- 1	-



Source: Packless Metal Products Corp.

MEASURING PUMP EFFICIENCY

In comparing efficiency of pumps, users often make the mistake of subtracting the efficiency of the old pump from the efficiency of the new pump and calling the difference the improvement in efficiency. The correct method is to subtract the two efficiencies, and then divide the difference by the efficiency of the new pump.

If the efficiency of a present pump is 74 percent and installation of a new pump at 85 percent efficiency is planned, the change will not be worth just 11 percent.

Efficiency will improve 13 percent, and it will cost 13 percent less to operate the new pump. For example: 0.85 - 0.74 = 0.11

$$0.85 - 0.74 = 0.11$$

 $0.11 \div 0.85 = 0.13$

The accompanying chart makes it easy to determine increases in efficiency without any longhand figuring. Simply run a straight line through the efficiency of the new pump, column A, and the efficiency of the old pump, column B, and the power saving or improvement in efficiency is given in column C. The dotted line here runs from 85 percent efficiency of the new pump through 74 percent efficiency of the old, and shows in column C that the power saving is 13 percent.

DISCHARGE OF COLD WATER

Flow rated in gallons per minute for pipes of various sizes and water of various pounds of pressure.

Water		Pipe 5	lize	
Pressure	¾-inch	1 1/2 -inch	2-inch	3-inch
15	16.09	83.6	173.5	486.8
20	18.54	100.0	203.0	539.0
30	22.63	122.5	246.0	660.0
40	26.22	141.2	287.4	759.0
50	29.3	157.8	313.2	847.5
60	32.1	173.0	352.2	930.0
70	34.95	187.0	380.8	1002.0
80	37.1	200.0	406.5	1072.5
90	39.39	211.8	443.0	1140.0
100	41.15	223.4	455.1	1200.0

WATER HAMMER CURE

Water hammer is objectionable from the standpoint of noise which is undesirable to most workers. This noise is an indication that there is undue stress being exerted at certain fittings in the water line. This undue stress will overstrain the water piping so that it will rapidly deteriorate or fracture.

It is a simple matter to eliminate water hammer. Since

water is relatively noncompressible, when the flow of water is abruptly stopped a shock passes back through the water to be absorbed by the metal of the piping system. To eliminate this, air is used as a shock absorber.

A shock absorber can be made by placing a length of pipe 1 to 3 feet long in a vertical position as close as possible to the shut-off valve. The top of this length of pipe is fitted with a pipe cap. When the system is filled with water, air accumulates in this riser. Since air is compressible, the shock wave will pass through the water to the air chamber where it will be absorbed.

These air chambers will gradually lose the air due to its dissolving in the water. When such a system again starts to hammer, it is then necessary to drain the system at this point to allow the riser to again fill with air.

Commercial shock absorbers for elimination of water hammer are manufactured to accomplish this end. Some use a diaphragm to separate the air from the water chamber and others use a coiled tube. Such units do not lose the air and, therefore, will operate continuously without difficulty.

TABLE OF WATER HEADS AND EQUIVALENT PRESSURES

To estimate any pressure, multiply the head (in feet) by .433. The result is pounds per square inch. For every 2.3 feet the water head is above the discharge, I pound per square inch is added to the pressure.

	Pressure		Pressure		Pressure Pounds
Head	Per	Head	Fer	Head	Per
Feet	Inch	Feet	Inch	Feet	Square
5	2.17	125	54.13	550	238.15
10	4.33	150	64.95	600	259.80
15	6.50	175	75.78	650	281.45
20	8.66	200	86.60	700	303.10
30	12.99	225	97.43	750	324.75
40	17.32	250	108.25	800	346.40
50	21.65	275	119.08	850	368.05
60	25.98	300	129.50	900	389.70
70	30.31	350	151.55	950	411.35
80	34.64	400	173.20	1000	433.00
90	38.97	450	194.85	1100	476.30
100	43.30	500	216.50	1200	519.60

Fur section

FUR CONDITIONING

Precleaning

All coats accepted for fur cleaning should be closely inspected for rips, tears, and fragile or worn pelts. Any torn or worn seams should be repaired at this point of the operation. Tack any loose linings to prevent the cleaning compound from working under them. Moth damage, shedding or cracked hairs, and fugitive dyes (sometimes found on blue and platinum fox) must be reckoned with.

After inspection, each coat should be beaten and shaken to remove loose dust and hair, moths and larvae, as well as to fluff up the matted hair. This operation economizes on the cleaning compound because there is less loose dirt left in the coat for it to absorb, and also cuts down drumming time. Beating may be done quickly in a vibrating chamber.

Sponge the lining of the garment with a cleaning solvent. This solvent must have properties that remove dirt, grease and most ordinary spots. Pour one pint into a shallow pan, then apply to the lining and rub vigorously with a sponge or brush. Where you have a concentration of dirt, wet down generously with solvent and then use a brush or a terry-cloth sponge to work this dirt loose. About 3 or 4 percent of all linings are badly soiled and will have to be removed and drycleaned.

After the lining of the garment has been thoroughly sponged, fold the garment lining in. This prevents the solvent from evaporating while the next garment is being processed.

Drumming and caging

Today's highly developed absorbents are of much finer granulation than those used in the past. Research has shown that the greater the number of particles per given quantity of absorbent produces, the more thorough the job of fur cleaning. Therefore, smaller amounts of absorbents can be used for each garment.

Put ½ pound of absorbent into the drum for each coat to be cleaned. Combine two parts of cleaning solvent and one part water and mix in the absorbent. Add enough mixture to produce a "balled" effect when squeezed in the palm

of the hand. Absorbent materials and cleaning fluid should be completely mixed before coats are put in the drum. Place coats in the drum and revolve for approximately one-half hour. This time may vary depending on fragility of the coat.

Most of the commercial fur cleaning solvents now being produced have suggested instructions as to their proper use. Fur cleaners should follow these instructions specifically for best application.

Fur cleaning supply houses also offer numerous types of cleaning solvents and absorbents either prepackaged or in bulk. Whichever type is used depends on volume of fur cleaning produced in any given plant.

After drumming, garments are placed in the cage and tumbled an average of 30 minutes. Tumbling removes the major portion of the absorbent. Next, the garments can be placed in the suction chamber of a vibrating table or placed on a work table. Both the lining and fur are blown with compressed air to remove any excess absorbent material. Care should be taken to remove any absorbent from pockets, under buttons, etc.

If cleaning material has worked under the lining, open the seam and blow it out, but to avoid excess labor keep seam ripping to a minimum. Use a beating action in conjunction with compressed air to remove lint from curly furs such as Persian lamb. Keep the air nozzle a considerable distance from the garment to prevent uncurling,

Glazing

Fur glazing is to fur cleaning what pressing is to drycleaning. A fur garment may be cleaned thoroughly, yet will not look well until it has been glazed.

In recent years steam irons, steam guns and rotary irons have become popular for this purpose, and usually do an excellent job with minimum labor. The method used, of course, must be suited to the particular fur being glazed. The steam-iron method is limited to certain types, such as muskrat, mink and coney. Beaver or mouton types and curly furs should not be steamed. The rotary iron is a grooved, revolving, heated iron which, when properly applied to fur, will straighten out the hair and produce a high sheen and silkiness.

Continued on page 114

GLAZING CHART

Fur	Rotary Iron	Steam Iron
Beover		
Civet Cat		
Ermine		
Fitch	*	
Fox		
Guanaco		
Lamb, Persian, and others		
	* * * * * * * * * * * * * * * * * * * *	
eopard		
Mink, Jap		
Mink, Side	*	
Mouten Lamb		
Muskrat		*
Autria	*	
Ocelot	*	* * *
Opossum, American		*
Opossum, Australian	*	
Offer, Plucked	*	
nbbit	*	
accoon		
Paccoon, Sheared		

		* * *

kunk	*	
quirrel		
Volf		
Volverine		

Source-Walter Haertel Co.

Fur cleaning using drycleaning tumblers

After the sponging operation, place two coats in a fur cleaning bag. Place absorbent mixed with solvent in the bag with the coats. Close the bag securely. Place the bag in a drycleaning tumbler and operate it cold for 20 to 30 minutes. Remove the bag from the tumbler and shake the coats to remove the compound.

Replace the garments in the tumbler and operate for 30 to 45 minutes. The remaining portion of the compound in the coats will be removed in this operation. The lighter particles will be exhausted to the outside through the air blower system of the tumbler and the heavier particles will lodge in the clean-out section of the tumbler.

Proceed with the glazing operation as previously discussed.

Effects of excess humidity

When there is a relative humidity of 65 percent or more in a storage vault, every article in the vault is in danger of being ruined by mildew. Mildew will grow in furs, rugs, and all cloth garments. Humidity of 52-53 percent is plenty for most situations.

It is not generally known that excessive humidity, even if it is not sufficient to cause mildew to grow, can spoil the fit of a fur coat. When humidity reaches a certain maximum, skins become soft and pliable and subject to stretching at the shoulders.

CAPACITIES OF FUMIGATION CABINETS

(Cubic Feet)	Capacity (Number Fur Coats)
141	40
219	70
297	100
375	130
453	160
531	190
639	220
717	250

FUR-CLEANING CLASSIFICATION

Fur	Drumming Time	Caging Time
WATER RODENTS		
	20 1 1	
Beaver Nutria	30 minutes	30 to 45 minutes
Muskrat	30 minutes 30 to 40 minutes	30 to 45 minutes 30 minutes
LAND RODENTS		
Squirrel Rabbit	30 minutes 30 to 45 minutes	30 minutes
Marmot	30 to 45 minutes	30 to 45 minutes 30 to 45 minutes
THE CAT FAMILY		
Leopard		
Ocelot		
Leopard Cat	30 to 40 minutes	25 to 30 minutes
Lynx Civet Cat		
	+	
THE DOG FAMILY		
Fox		These fors usually used for scarfs. To
Wolf	30 to 45 minutes	prevent breakage o
Coyote Chinese Dog		buckles and eyes, do not cage.
THE BEAR FAMILY		
Raccoon	30 minutes	30 minutes to 1 hour
Bear		
POUCHED ANIMALS		
American Opossum Australian Opossum	30 minutes	30 minutes
THE WEASEL FAMILY		
Mink	30 to 40 minutes	30 to 40 minutes
Colinsky	30 to 40 minutes	30 to 40 minutes
itch	30 to 40 minutes	30 to 40 minutes
isher	30 to 40 minutes	30 to 40 minutes
Weasel	30 minutes	30 minutes
Otter	30 to 40 minutes	30 to 40 minutes
rmine	30 minutes	30 minutes
CURLY FURS		
amb	20 to 30 minutes	20 to 30 minutes
OOFED ANIMALS		
ony	20 to 30 minutes	20 to 30 minutes
lidskin	20 to 30 minutes	10 minutes
UR SEAL		
lack	35 to 45 minutes	35 to 45 minutes
rown		
ELICATE FURS		
hinchilla		Shake out by hand
Aole	Hand-clean	or with a suction
arunduki	nana-cieun	work table
roadtail (genuine)		

Source: Walter Haertel Co.

FURLIKE FABRICS

In recent years man has learned to blend synthetic fibers that have all the appearance and advantages of natural furs and to make them available at moderate cost.

The most popular blend at the moment, an Orlon-Dynel deep-pile weave, is widely used in women's coats and is finding its way into fine bedspreads, throw blankets, babycarriage covers, ear muffs, furlike collars, etc.

Garments made of Orlon-Dynel are mothproof, mildewresistant and can be handled in the cleaning operation if proper care and precautions are observed. When these furlike fabrics first came out the manufacturers specified that they should be cleaned by the furrier method only. This method will produce a passable job. But since these coats are made of fiber, nothing surpasses drycleaning for getting them clean.

Identifying Orlon-Dynel

The pile of these coats is generally made up of 65 percent Orlon and 35 percent Dynel. Some brands have a woven cloth back made entirely of Dynel. This is true of "Cloud #9" and "Baronesa." Others use a knitted Dynel backing. These include "Borgana," "O'llegro," "Nutrana," "Furlana," "Beavalure," "Beavelon," "Sabelure," "Bevado" and "Mon Sal," among others.

These garments should not be regarded as "run-of-thewheel." They require special handling and deserve premium

Ittees.

Cleaning procedures

Furlike coats will release their soil very rapidly under normal conditions, since they have a deep pile. A short cleaning cycle without moisture is in order. These coats will develop static. As a result they should be run by themselves, or with a light soft wool load, on continuous filtration.

The pile fibers will withstand the use of moisture. That isn't where the problem lies. Moisture affects the knit and woven back construction of the fabric. Just as in other coats of this construction, there is a tendency for shrinkage when moisture is used. If any moisture is used, it should be held

to the barest minimum.

In the case of heavily soiled Orlon-Dynel coats it is well to soak the garments in an extra strong concentration of charged-system soap. A dip tank or barrel should contain up to a 10 percent solution of soap for this purpose. The soiled garments should be left to soak for about an hour. After draining they should be given the usual short run in the washer, in the normal concentration of charge. A clear rinse is beneficial.

These coats generally have linings of acetate. When the linings are badly soiled, they can be brushed with a moisture emulsion prior to regular cleaning. It can also be done just

before the soaking operation described.

Extraction requires moderation. Too much extraction will cause hard wrinkles and creases to develop. Too little extraction can create uneven drying and resultant swales.

Drying is another critical factor in processing Orlon-Dynel fabrics. Good results have been obtained by tumbling the garments for 5 to 10 minutes in a cool tumbler, then hanging them to air-dry. Heavy wooden hangers are better for this purpose than the regular wire garment hangers.

Spotting suggestions

The use of high heat is out of the question so far as Orlon-Dynel is concerned and steam guns should not be used under any circumstance. The fibers may fuse and mat if exposed to excess heat.

Chemically speaking, both Orlon and Dynel will withstand all of the common spotting chemicals and stain re-

moval offers no problem.

This is a pile fabric, just like velvets, and must be handled as such. When working on the wet side, brush the stained area with the grain of the pile. Do not use the brush in a circular motion. The pile will become snarled or matted. A towel can be used to pick up any excess moisture. And a short run in a cold tumbler will help raise the pile.

Wetcleaning advice

Wetcleaning involves some risk from a fabric construction standpoint. If an occasional garment is very badly soiled or stained it is suggested it be soaked out in tepid water and a neutral wetting agent.

After such soaking, the garment should then be brushed with a soft bristle brush with the lay of the pile. Then rinse well by holding the garment with the hands in a basket grip. Extract lightly, cool-tumble and hang to air-dry.

Finishing techniques

Some of the greatest problems plantowners have with Orlon-Dynel stem from improper finishing methods. The finishing of these coats is a radical departure from ordinary pressing methods. They have no more place on the steam presses than have fur coats. In fact, some of the newer finishing techniques involve equipment practically identical with fur finishing machines. These units come in a wide range of prices to conform with the needs of even the smallest plant. One method involves the use of only a spray gun to apply a silicone film over the fabric. If you don't have these special machines a steam-air finisher may be used with these precautions:

Do not steam more than 2 or 3 seconds.

Do not touch the garment in any way with hands or brush while it's on the finisher.

Do not fasten the coat in any manner.

Do not crush the pile.

In general, it is well to remember that it is better to do nothing to Orlon-Dynel in the finishing room rather than do too much.

Linings can be touched up in the conventional manner with a steam iron, but the iron should never touch the pile of the coat. Your best bet, of course, is to use equipment and supplies made specifically for finishing Orlon-Dynel.

STORAGE NOTES

Humidity control is the most important factor in the successful operation of the fur and woolen garment storage business. Besides moth damage, mold as a damaging element is becoming more important with the growth of the apartment-dwelling population. It calls for accurate and careful humidity control.

If fur garments are kept in an absolutely bone-dry atmosphere they lose some of their natural oils and pliability. They then become vulnerable to breakage and to loss of hair from the pelts. If too much humidity is present, mold dam-

age may completely ruin a garment.

Cold storage: Indicates that temperatures are automatically controlled in vaults at about 60° F and humidity controlled at about 50 percent or 55 percent relative humidity. Modern research in this field of fur storage indicates that this range of temperature and humidity is as close to ideal as possible for the following reasons:

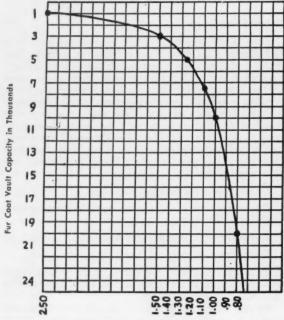
a. Pelt deterioration is reduced to a minimum.

- b. At these temperatures a cold condition is maintained and the owner can advertise in these terms in building a consumer demand for his service.
- c. Dehumidification can be automatically controlled.
- d. Fur coats may be stored for long periods of time without danger of stretching or getting out of shape.

Dry storage: Means that humidity is controlled without controlling temperature. Since pelt deterioration occurs in the low 70's and accelerates around 80° F, furs should not

ordinarily be stored under dry storage conditions. Moth and other insect infestation is activated rapidly in proportion to the increase in temperature of the storage area. When only cloth garments are stored and all garments going into storage are either fumigated or drycleaned, this type of equipment can be used in conjunction with a fumigation system.

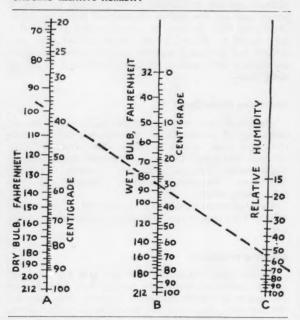
APPROXIMATE COST OF VAULT EQUIPMENT



Cost Per Coat-Storage Vault Equipment

Source: Reliable Machine Works, Inc.

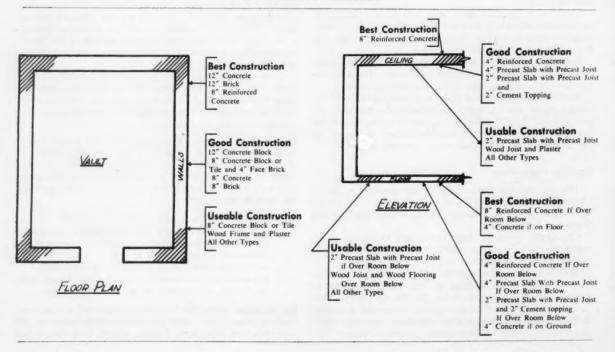
GAUGING RELATIVE HUMIDITY



The accompanying chart makes it possible to gauge relative humidity quickly. Run a straight line through the dry bulb temperature, column A, and the wet bulb temperature, column B. The relative humidity is given at the intersection with column C. Thus, if the dry bulb temperature is 100° F and the wet bulb temperature 85° F, the dotted line drawn across the chart shows that the relative humidity, column C, is 54 percent.

The chart is based on a formula developed by the U. S. Bureau of Standards.

TYPES OF VAULT CONSTRUCTION



Fabrics

LABELS-WHAT THEY MEAN

Completely washable-This garment can be washed in a commercial laundry, or in a home washing machine, in hot water not to exceed 160° F, with soap or detergent, and bleaching agent.

Fully washable Do not bleach

This garment can be washed in a -commercial laundry, or in a home washing machine, in hot water not to exceed 160° F, with soap or detergent. Do not use bleaching agents.

Do not bleach

Wash in warm water This garment can be washed in a -commercial laundry, or in a home washing machine, in warm water not to exceed 120° F, with soap or detergent. Do not use bleaching agents.

Wash by hand in lukewarm water Do not bleach

This garment must be washed by hand. Use lukewarm water, not to exceed 105° F, with mild soap or detergent. Do not use bleaching agents. Press with hand iron.

Dryclean

-For best results, garments so labeled should be drycleaned.

This uniform labeling program was designed as a guide for the laundering of men's and boys' shirts, pajamas and sportswear by six national manufacturing, retailing and textile maintenance groups, including the American Institute of Laundering.

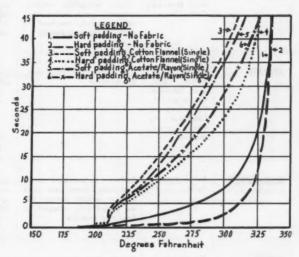
RECOMMENDED FINISHING RANGES

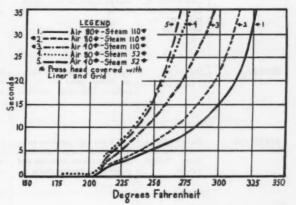
Fiber		Temperature
Glass		550-600° F
Linen		450-500° F
Cotton Arnel		400-420° F
Wool		350-370° F
Silk Vicara	Silk setting	320-340° F
Acetate Acrilan Creslan Dacron Nylon Orlon Rayon Teflon Zefran	Rayon setting	275° F Max.
Darvan Dynel Verel Vinyon	(Finish on heat-reducing press plate)	Under 250° F
Permalon Saran	CANNOT be finished	

FINISHING SYNTHETICS

Velon

Fusing, shine and stiffness are some of the objectionable results of pressing synthetic fabrics in the laundry. These results are exaggerated by subjecting the fabrics to hard padding, excessive mechanical pressure and high tempera-





Source: American Institute of Laundering

Presses should be padded according to the manufacturers' recommendations. Padding should be checked frequently to avoid matting, to provide quick delivery of steam and vacuum. Be sure the cover and padding cover the buck completely.

Most synthetics require just a "kiss" of the press head. It should never be locked on synthetics. Important, too, is the release of the press head before vacuum is applied. New type press plates will help reduce the possibility of fiber fusing.

Pressure-reducing valves on the steam line will further minimize the danger of shine. They keep temperatures of the steam in line. Proper steam pressures are covered in Power Plant section of this issue.

BURNING TESTS FOR NATURAL FIBERS

Cotton:

Burns quickly, yellow flame, smolders Ash-gray, fluffy, floats off Odor-burning wood or paper

Continued on page 118

TYPE	TRADE NAMES	CHARACTERISTICS	END PRODUCTS	BURNING TESTS	SOLVENT TESTS
ACRYLIC	Acrilan, Cres- lan, Dralon, Orlon, Zefran	Soft; lightweight; bulky; re- silient; washable; wrinkle- resistant; quick-drying; dur- ably pleated; resistant to moths, mildew, chemicals	Knitted garments; tropical suits and slacks; sweaters; pile fabrics; blankets; sports- wear; underwear; socks; work clothes; carpets	Does not support combustion; melts, leaving hard, black beads with acrid odor	
ACETATE	Acele, Arnel, Avisco, Color- spun, Celanese, Celarperm, Chromspun, Colorspun, Du Pont, Estron, Maiora	Rich, silklike feel, crisp; wrin- kle-resistant	Dress fabrics such as satins, taffetas; lingerie; nightwear	Fusing of fiber forms crushable bead	Not affected
MODACRYLIC	Dynel, Fiber T, Verel	Resistant to chemicals; moth- and mildew-proof; soft, quick drying; retains pleats; can be permanently shaped by heat and pressure	Deep pile and fleece fabrics; cold-weather underwear; car- pets; blended with other fibers	Melts; does not burn; forms black bead; pungent odor	Avoid acetone, otherwise not affected
NYLON	Caprolan, Chemstrand, Du Pont, Enko, Dow, IRC Ny- Ion, Velon	Strong; high elasticity; low water absorption; quick- drying	Hosiery; lingerie; sleepwear; sweaters; dress fabrics; car- pets; upholstery	Melts and burns, leaving light-col- ored ash. Sealing wax odor	Dissolves in concentrated formic acid and xylenol
NYTRIL	Darvan	Soft; resilient; easy to clean; no pilling; good wrinkle re- sistance and press retention	Furlike pile fabrics; sweaters; hand knitting yarns; coat and suit fabrics	Melts and burns, leaving hard, black bead	Generally insoluble. Not affected by ace- tone at room tem- perature
POLYESTER	Dacron, Kodel, Mylar, Narene, Teron, Fortrel, Vycron	Quick-drying; crease-resist- ant; good shape retention; strength; resists abrasion and shrinkage; washes easily	Wash-and-wear apparel when combined with cotton, rayon or other fibers; tropical suits and slacks; curtains	Melts and burns, leaving light-col- ored bead. Pun- gent odor	Not affected
GLASS	Aerocor, Fiber- frax, Fiberglas, Modiglass, Unifab, Vitron	Heavy; silky; lustrous	Curtains; draperies	Melts into hard bead	Not affected
RAYON	Bemberg, Briglo, Skyloft, Jetspun, Avisco, Avi- cron, Avril, Av- ron, Super L, Tufton, Forti- san, Topel, Du Pont, Ondule, Viscalon, Zan- trel, Premier, Spun-Lo, Nar- co, Corval, Col- oray	Highly absorbent; good draping qualities; good "feel"; dyes easily in bril- liant colors; strong when dry, but weaker when wet	All kinds of women's wear; tailored garment linings; draperies; outerwear fabrics and blends; carpets	Burns; does not form bead	Not affected

Continued from page 117

Burns rapidly but less rapidly than cotton, smolders longer
Ash—gray, very light and fluffy
Odor—burning wood or paper Linen:

Small flame, sizzles, burns more rapidly than wool, does not smolder Ash—shiny black beads, readily pulverized Odor-burning feathers

DRYCLEANING	LAUNDERING	SPOTTING	SATISFACTORY IRONING TEMP.	FINISHING
Withstands usual dry- cleaning processes. Do not tumble Dynel or Orlon	Withstands usual wet- cleaning processes	Not damaged by common spotting solvents	275°F, for most	Use heat-reducing press plate
Withstands usual dry- cleaning processes	Withstands usual wet- cleaning processes	Not damaged by common spotting solvents	275°F.	Use heat-reducing press plate
				11 11 11 11 11 11 11 11 11 11 11
Not affected	Withstands usual wet- cleaning processes	May be damaged only by acetone	Not safe	Use heat-reducing press plate. Dynel is extremely sensitive to heat; use gridhead press and finish on covered puff irons
Withstands usual dry- cleaning processes	Withstands usual wet- cleaning processes	Not damaged by common spotting solvents	275°F.	Use heat-reducing press plate
Not affected	Withstands usual wet- cleaning processes	Not damaged by common spotting solvents	275°F.	Do not steam or press pile fabrics. Use heat-reducing press plate
Withstands usual dry- cleaning processes	Withstands usual wet- cleaning processes	Not damaged by common spotting solvents	275°F.	Use heat-reducing press plate
May be affected. Avoid nechanical handling	Withstands usual wet- cleaning processes	Not damaged by common spotting solvents	Not affected	No finishing required. May be cabinet- dried
Not affected	Withstands usual wet- cleaning processes	Not damaged by common spotting solvents	Below 275°F.	Use heat-reducing press plate
				Sources: American Institute of Laundering, National Institute of Drycleaning, Textile World

Silk, weighted: Burns slowly in flame, not after flame is removed
Ash—skeleton of weighting glows
Odor—burning feathers

Wool: Burns slowly, sputters
Ash—black, gritty, pulverizes easily
Odor—burning hair
Continued on page 120

WASHING SYNTHETICS

Fortunately for our industry, the newer fibers fall into definite classifications according to how they are used. A blanket, for example, may be made of spun rayon, wool, Acrilan or Orlon. If the washroom handles wool-appearing blankets as it would all-wool, good results will be obtained.

If a sport shirt resembles wool, even though the garment may be made of a wool blend of Kodel, Dacron, Orlon, Acrilan, etc., a wool washing formula will prove satisfactory. Or, if an acetate or rayon blend is encountered in combination with such chemical fibers as those listed here and the washroom utilizes a rayon/silk type of washing formula, good results again should be expected.

Complete data on drycleaning are carried in the Annual Guidebook of our sister publication, The National Cleaner.

A.I.L. BULLETINS AND REPORTS

Service Bulletins are published semimonthly by American Institute of Laundering, Joliet, Ill. They are available to members only and are included as part of membership dues.

Titles and order numbers of Service Bulletins are printed in roman type, those of Special Reports in *italics*.

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A. I. L. TEXTILE NOTES

As products appear on the market that may prove troublesome or have an effect on any phase of laundering, the Laboratory Division of the production and engineering department of the American Institute of Laundering informs members through Textile Notes.

One complete set of Textile Notes is available to AIL members on request. Additional copies of one or several Textile Notes are available at the rate of 5 cents per copy. Special quotations on large quantities (200 or more) can be obtained by writing AIL's Membership Department, Joliet, Ill.

1.	Unequal Shrinkage of Linen Damask Tablecloths
	Deodorant Damage to Fabrics
3.	Sunlight and Curtains
4.	Chemical Damage to Fabrics
	Color Fading and Chafe Marks
6.	Damage to Printed Fabrics
	Mechanical Damage to Fabrics
8.	Color Fast—Red That Turns Blue
9.	Ironing Temperature for Acetate Rayon
10.	Fingernail Polish—An Incendiary
11.	Damage to Black-Dyed Cotton Fabrics
12.	Cotton Fabrics Containing Paper Yarn—Not Washable
13.	The Problem of Shrinkage of Textile Fabrics
14.	X-Ray Developer Stains
15.	Poor Launderability of Ramie Luncheon Cloths
16.	Length of Life of Shirts
17	Towel Shrinkage
	111111111111111111111111111111111111111

Continued on page 122

Continued from page 121 Loose Threads on Turkish Towels ... Soft Water Conserves Fabric and Soap New Coveralls Require Special Care Celluloid Can Damage Fabrics 20. 21. Chemical Damage That Looks Like a Burn Look for Termites as a Cause of Damage 22. 23. How Home Starching Can Stain 24. The Felting of Woo 26. Moth Damage to Wool 27 Non-Skid Rugs—A Fire Hazard Cotton; What It Is; How It Launders Wool; What It Is; How It Launders 29. Viscose Rayon and Acetate 31. **Embossed Fabrics** 32 Hospital Linens Damaged by Timing Device Fabric Damage From Inflammable Buttons Misuse of Household Bleach Causes Damage 33. 34. 35. Permanent Stays in Collars Can Cause Laundering Finishing of Dynel Fabrics Creates Problems Home Bleaching Can Damage Resin Finished Fabrics High Temperatures Damage Nylon-Cotton Fabrics 37. 38. Resin-Type Bandages Will Stain Bed Linens Clothing Requires Ample, Well-Made Seams Some Wash-Wear Fabrics Create Problems 39. 40. 41. . . 42. Sun May Damage Vat Dyed Fabrics 43. Finishing Recovers Relaxation Shrinkage . Madras Is Meant to Fade

BOOKS FOR LAUNDERERS

Advertising That Builds and Holds Laundry Business. The Laundry Journal, 466 Lexington Ave., New York 17, N. Y. \$1.00.

The Care and Handling of Drycleaning Solvents. The National Cleaner, 466 Lexington Ave., New York 17, N. Y. \$1.00.

The Charged System Roundup. The National Cleaner, 466 Lexington Ave., New York 17, N. Y. \$1.00.

The Drycleaner's Guide to Management and Operations. The National Cleaner, 466 Lexington Ave., New York 17, N. Y. \$2.00.

The Drycleaner's Guide to Shirt Laundering, The National Cleaner, 466 Lexington Ace., New York 17, N. Y. \$1.00.

Fabric Facts. The National Cleaner, 466 Lexington Ave., New York 17, N. Y. \$1.00.

Getting the \$ales From \$ales Training. By Edward F. Ruder. Sales Executives Publications, 1006 Olive St., St. Louis 1, Mo. \$5.95.

Guide to Motivation. The National Cleaner, 466 Lexington Ave., New York 17, N.Y. \$1.00.

Handbook for Route Sales Executives. By Fred DeArmond. Mycroft Press, 2043 S. Scenic Dr., Springfield, Mo. \$4.00.

Hotel Textile Purchasing Guide. By L. A. Bradley. American Hotel Association, 221 W. 57th St., New York 19, N. Y. \$3.75.

How To Build a Greater Demand for Your Professional Laundry Services. The Laundry Journal, 466 Lexington Ave., New York 17, N. Y. \$1.00.

How To Clean Cotton Rugs. National Rug Cleaner, 466 Lexington Ave., New York 17, N. Y. 25 cents.

How To Train Finishing and Folding Operators in the Laundry. The Laundry Journal, 466 Lexington Ave., New York 17, N. Y. \$1.00.

The Institutional Laundry As I See It. By Sister Mary Celeste, S.S.M., R.N. St. Mary's Hospital, 6420 Clayton Rd., St. Louis 17, Mo. \$4.50, plus postage.

The Laundry Primer. The Laundry Journal, 466 Lexington Ave., New York 17, N. Y. 50 cents.

Legal Decisions for the Drycleaner. By A. L. H. Street. The National Cleaner, 466 Lexington Ave., New York 17, N. Y. \$2.00.

Let's Talk Laundry. By Fred DeArmond. Mycroft Press, 2043 S. Scenic Dr., Springfield, Mo. \$2.00.

Managers vs. Teamsters. By Fred DeArmond. Mycroft Press, 2043 S. Scenic Dr., Springfield, Mo. \$5.00.

Manual for Training Silk Finishers. By Laura Herrmann Porterfield. The National Cleaner, 466 Lexington Ave., New York 17, N. Y. \$1.00.

Manual for Training Wool Finishers. By Laura Herrmann Porterfield. The National Cleaner, 466 Lexington Ave., New York 17, N. Y. \$1.00.

Route Sales Management. By Fred DeArmond and George N. Graf. Moore Publishing Company, 48 W. 38th St., New York 18, N. Y. \$5.00

Sales Manager's Manual. By Fred DeArmond. Mycroft Press, 2043 S. Scenic Dr., Springfield, Mo. \$4.00.

Storage for the Drycleaner. The National Cleaner, 466 Lexington Ave., New York 17, N. Y. 50 cents.

Wake Up and Sell! By Fred DeArmond. Mycroft Press, 2043 S. Scenic Dr., Springfield, Mo. \$2.50.

What's Happening in Coin-Operated Laundry? The Laundry Journal, 466 Lexington Ave., New York 17, N. Y. \$1.00.

Nuclear laundering bibliography

Publications available from the Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C.:

HW-38218 (Rev.)—A Study of the Effectiveness of Decontaminating Agents on Contaminated Protective Clothing (1955). 20 cents.

K-1344—The Effects of Uranium Contamination on Laundry Operations (1957). 50 cents.

NYO-4990—An Evaluation of Laundering Agents and Techniques Used in the Decontamination of Cotton Clothing (1954). 80 cents.

UR-108—The Removal of Uranium Compounds from Cloth (1950). 15 cents.

Available from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.:

National Bureau of Standards Handbook 48, Control and Removal of Radioactive Contamination in Laboratories (1951). 15 cents.

National Bureau of Standards Handbook 69, Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure (1959). 35 cents.

United States Atomic Energy Commission Fundamentals 1, Living with Radiation (1959). 45 cents.

Available from the United States Atomic Energy Commission, Washington, D. C.:

Principles of Isotope Utilization (1956), Gratis. Procurement and Use of Radioisotopes (1958), Gratis.

Available from the author:

An Engineering Study of Washing Techniques and Health Hazards Encountered at a Decontamination Laundry, S. R. Pearsall and L. Gemmell, Brookhaven National Laboratory, Upton, Long Island, N. Y. Gratis.

Truck Specification Guide

ROUTE SALES continue to be the mainstay of the professional laundry industry.

We know that more than threequarters of our readers operate routes, and that pickup-and-delivery service accounts for from 50 to 100 percent of all volume in these plants.

Our most recent nationwide survey in this area indicates that route sales are increasing, and nearly one out of every two plantowners will be in the market for new delivery vehicles this year. Of those responding only 7 percent said their route sales were down, and 48.3 percent said they were planning truck purchases within the next 12 months.

On the following pages we present a basic guide to most of the route delivery equipment available to laundries during 1961, including trucks, chassis, and special truck bodies.

The charts on truck specifications are partial, and are published to show our readers the wide range of vehicles at their disposal. This data is based on information provided by manufacturers. While every effort has been made to insure accuracy, specifications are published as a service, and we

cannot be responsible for errors or omissions.

Here are some of the major highlights of The Laundry Journal Motor Truck Survey which was concluded in July of this year. The findings may assist you in making your purchase decision:

USEFUL LIFE

There was a wide difference of opinion as to how long trucks should be operated before trade-in. The answers ranged from 2 years up to 15. Others based useful life on mileage and were ready to trade at the end of 50,000 or 100,000 miles.

The average plant turns its trucks in every 5.1 years.

WHO DECIDES?

From all indications, the plantowner is the one who makes truck purchase decisions. At least 62 percent admitted that this was their responsibility. Another 23 percent left the decision up to their plant managers.

WHY THEY BUY

Laundrymen are supposed to be extremely price-conscious. But our

survey indicates that there are two other factors that influence their decision to buy.

First and foremost, most plantowners were concerned with the economy of operation. Better than one-third cited this as their prime reason for buying a particular make of truck.

Next, they are concerned with the kind of service they'll get from the dealer and on the road. Just under on-third picked this as their second reason. Other factors include: ease of loading, body style, body design, maintenance costs, etc.

The average plant responding to this survey had 9.6 trucks and better than 63 percent of the total were said to be 2½-ton or smaller.

TRUCK LEASING

Leased trucks represented 6.7 percent of the total number of trucks reported operating in this survey. The practice seems to be pretty well localized to the Northeast, although the idea has made some headway among plants in the West North Central area.

For complete truck, body and chassis specifications, turn to pages 124, 125 and 126

LJ's 1960 motor truck survey

1		NUM	ER OF TRE	UCKS	ROU	TE BUSIN	ESS
AREA	PLANTS RESPONDING	OPERAT-	OWNED	LEASED	UP	EVEN	DOWN
NEW ENGLAND	28	192	160	32	9	16	3
MID-ATLANTIC	77	686	720	138	37	33	5
SOUTH ATLANTIC	28	185	175	. 9	13	12	2
EAST SOUTH CENTRAL	29	264	252	15	9	13	5
EAST NORTH CENTRAL	78	539	554	3	31	34	5
WEST SOUTH CENTRAL	16	83	85	_	7	8	_
WEST NORTH CENTRAL	22	122	97	26	11	9	2
MOUNTAIN	18	98	91	6	7	10	_
PACIFIC	35	208	209	_	18	15	1
MISCELLANEOUS	23	1,053	1,047	6	9	2	-
TOTALS	354	3,430	3,390	235	151	152	23

TRUCK SPECIFICATIONS

Manufacturer	Model Name or Number	Туре	Gross Vehicle Weight Rating (Lbs.)	Wheel Base	Engines Available Horsepower/#Cyl.	Truck Weight (lb. empty)	Body Load Space (cu. ft.)	Over-All Length (inches)	Over-All Height (inches)	Inside Width (inches)	Max. Rear Door Width (inches)	Body Construction Material
Chevrolet	R1205	Corvair	4600	95.00	80/6	2805	191.00	179.70	68.50	59.40	44.60	Steel
	C1405	Panel Panel	5200	115.00	135/6	3820	175.37	201.09	74.13	79.4	57.75	
	C3605	Panel	7800	133.00	160/8	4690	230.75	234.68	76.64	79.4	57.75	**
	P2345	Step- Van	7000	104.00	160/8	5099	276.00	193.12	98.37	75.62	72.00	ri.
	P2545	Step-	7000	125.00	135/6	5267	334.00	213.12	98.37	75.62	72.00	**
	P2645	Van Step-	7000	137.00	135/6	5447	392.00	233.12	98.37	75.62	72.00	**
	P3345	Van Step- Van	10000	104.00	135/6	5275	276.00	193.12	99.00	75.62	72.00	44
	P3545	Step- Van	10000	125.00	135/6	5457	334.00	213.12	99.00	75.62	72.00	**
	P3645	Step- Van	10000	137.00	135/6	5636	392.00	233.12	99.00	75.62	72.00	**
Divco	10	Walk-In	6500	10034	55/4 or 80/4	4500	1361/2	179%	923/4	631/2	37%	Steel
	200	Walk-In Walk-In	8500	1271/2	55/4 or 80/4 92/6 or 120/6	5500 5500	315	217%	95	71	693/6	**
	300	Walk-In	7500 or	1115	80/4 or 120/6	5000	256	195%		71	693/16	
	40	Step-In Forward Control	7000- 16500	130	120/6 or 130/6	5200 5500	470	2271/4	111	801/16	48%	Steel or Aluminum
	50	Step-In Forward Control	7000- 16500	117	80/4 or 120/6	5100 5500	412	20813/16	111	8011/4	48%	11
	70	Step-In Forward Control	16500	153%	120/6 or 130/6	5800 6500	585	25913/16	111	801/46	48%	.,
Dodge	D100	7½ Ft. Panel	5100	114	101/6 140/6 200/8	3565	155	1971/16	791/8	651/4	503/16	Steel
Ford	Econoline Van	Panel	4100	90	85/6	2500	204.4	168.4	79.4	65.0	49.1*	Steel
	Falcon Sedan Delivery	Panel	, same wid	109.5	85/6 101/6	2565	76.2	189.0	55.1	57.1	45.5	"
International Harvester	AM-120- Metro*	Panel Delivery	6600	115	113/6	4570	301	2021/2	101	70	67	Steel
Company					ble in 7'9" standar	4; 9'6", 10	0'6" and 1	2'7" flat b	ack body			Magnesium and aluminum
	Also larger AM 120- Metro Lite**	Panel Delivery		115	130 and 150. 113/6	3805	352	200	1011/4	78	73	alloy and fiber glass plastic. Also aluminum
		ilable in 10 ake 9'8" to			lengths in addition	to standar	d 9'8". AA	A 130 and	150 heav	vier		
	AM 80- Metro Mite	Panel Delivery	3800	96	51/4	2800	200	159	91	66	38	Steel
		nal trucks a	lso availat	ole in pane	l bodies, and all ste	el Metro v	an bodies	from 9'6"	to 16'7"	body ler	gths.	
/olkswagen	vw	Panel Delivery	4112	94.5	40/4	2282	170	168.9	76.4	59.1	35.4*	Steel
	*Also avail		ble side do	ors-46.1	" wide x 47.2" high							
White Notor	PDQ A7	Walk-In	5000- 7000	96	70/4 or 110/6	4150	190	179%	871/2	63	56	Steel /Fiber slass
notor	PDQ A8	Walk-In	5000- 7000	104	70/4 or 110/6	4250	207	187%	871/2	63	56	(Fiber-glass
	PDQ B8	Walk-In	6000- 7000	104	70/4 or 110/6	4350	232	187%	93	68	60	assembly)
	PDQ B10 PDQ B12	Walk-In Walk-In	7000 7000 7000	122 137	70/4 or 110/6 70/4 or 110/6	4550 4900	315 378	216% 240%	93 93	68 68	60	**
Willys	"Jeep"	Walk-in	4000	80	72/4	3000	110	135.0	87.0	56.0	34	Steel

BODY SPECIFICATIONS

Manufacturer	Boyertown Works	Brown, Inc.	Body Corp. International Harvester Co.	J. B. E. Olson Corp. (Orbon Kurb Side"	Universal Body Sales, Inc.
Model Name or Number	S.6 SS-7 SS-1 M-5 M-7 M-7 M-12-H M12-H M12-H MV-14 MV-14 MV-18	Airen Airen Airen DK-8 DK-10	DK-12 AM120* AM120* AM120* AM120* AM120* Metro-Lite AM80*	8C 8D 8F 8G Forward Control 9C 9D 9F 9G Forward Control 10C 10D 10F 10G Forward Control 12C 12F 12G Forward Control 15C 15D 15F 13G* Forward Control 16C 16D 16F 16G* Forward Control * Can be built on a light chassis by extend	Dependent upon chasis used. Specific models manufactured for Cherroles, Dodge, Ford, International Harvester, and GMC chassis.
Type	Step-In Panel Step-In Panel Step-In Panel Minivan* Marchandiser* Marchandiser* Marchandiser* Marchandiser* Marchandiser* Marchandiser* Marchantvan* Marchantvan* Marchantvan* Marchantvan* Marchantvan* Marchantvan* Marchantvan* Trade Names	Parcel Delivery Parcel Delivery Parcel Delivery Forward-Van Forward-Van	Ferward-Van Multi-Stop Multi-Stop	Forward Control The Control Forward Control Forward Control Forward Control Forward Control Forward Control Forward Control	Walk-in for flat face cowl chassis Panel Delivery Panel Delivery Panel Delivery Panel Delivery Panel Delivery Panel Delivery Panel Delivery Panel Delivery
Chassis Application Rating/Wheel Base (inches)	1/4 ton / 108-114 3/4 ton / 116-124 1 ton / 126-133 1/2 ton forward control / 96 1/2 ton forward control / 102 3/4 ton / 104 3/4 ton / 104 3/4 ton / 104 1/4 ton / 137 11/5-2 ton / 139	104 122, 125, 126 137 3, ten / 104 3, or 1 ten / 122-125	1 or 1½ ten / 137 455 232 and model. 78 22 * See truck specifications on preceding page. Netro badies are mahufactured by a subsidiary of International Hanester Co. Metro badies and International chasts are tald as a truck unit under the "Metro" name.	104, 108 122, 125, 126 122, 1294, 137 130 1336, 154, 161 161	104-130 102 104 104 135
Body Loadspace Cubic Feet	176 273 273 134 134 137 276 276 444 575 7767	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	455 fing page. Metro bodi	315 342 340 460 460 578 615	200 200 220 242 320 390 430
Loadspace Length (inches)	78 90 90 78 78 1120 1120 1144 1144 1168 1192	96 126 144 184 208	232 232 es are mahufacture ck unit under the '	98% 110% 122% 142% 180	80 80 90 98 128 138
Loadspace Height (inches)	62 62 63 63 63 72 72 73 78 78 78	72 72 72 Depends on chassis make	and model. d by a subsidiary of Metro." name.	47.0% 47.0% 47.0% 47.0% 47.0% 47.0%	68 68 68 68 72 72 72 72 72 72 72 72 72 72 72 72 72
Loadspace Width (inches)	66 66 66 66 66 66 66 66 68 74 88 88 78 88 88 78 88 88 78 88 88 74	78 78 78 78	78 International Harv	78 78 78 78 78	\$3 3 3 3 4 4 4 4
Body Weight (lbs.)	4444444444	1314 1385 1484 1975 2100	2250 2250 2250 2250	1300 1375 1450 1587 1812	1400–1700 X X X X X X X X X X X X X X X X X X X
Max. Rear Door Width (inches)	66 66 66 66 66 74 74 74 74 74 88 74 88 74 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 88 76 76 76 76 76 76 76 76 76 76 76 76 76	74 74 74 74 Fell opening on all models	,	444 44	06 66 66 66 4 4 7 4 4 7 4 4 7 4 4 7 4 4 7 4 7
Construction Material	9 : : : : : : : : : : : : : : : : : : :	Aluminum	:	Alveninum	::::::

CHASSIS SPECIFICATIONS

Chassis Weight (lbs.)	4270	4325	4395			ż	R	3	2	3	3	3		3	"		я		n		3	3	3	7					2	ť Ž								2		× Z		₹ Ż		
Engines Available Horsepower/#Cyl.	125/6 or	202/8				135/6 or 160/8	85/6 or 135/6		135/6 or 160/8	4, 44	135/6 or 160/8	135/6 or 160/8		135/6 or 160/8		135/6 or 160/8		135/6 or 160/8	4, 44, 4, 44,	135/6, 160/8 or	173/8	135/6, 160/8 or	173/8	113/4	0/2		113/6		51/4		ies are sold		110/6 or	130/6	110/6 or	130/6	130/6							
Wheel Base (inches)	133	157	175			114 & 122	114 & 122	122	122	132	132	96 & 102		104 & 122		104 & 122	137		137		137 & 154		137 & 154		137 & 154		137 & 154		116	2	50.)	115		96		*(See truck specifications, International chassis and Metro bodies are sold		111 00	129, 147, 165	111, 129	141, 147, 165	971/2, 1091/2	1271/2, 1451/2	16312, 18112
Gross Vehicle Weight Rating (lbs.)	15000					2000	2000	7400	7400	7600-9800	7600-9800	4000-5000		8000		8000	10000		10000		1 5000		15000		17000		17000		7700	0000	-AM 130 and 150.)	9999		3800		International chass	Aetro name.)	14000		21500		26000		
Type	Chassis-	Cowl				Cowl	Cowl w/s	Cowl	Cowl w/s	Cowl	Cowl w/s	Stripped	Chassis	Stripped	Chassis	Windshield	Stripped	Chassis	Windshield	Front End	Stripped	Chassis	Windhsield	Front End	Stripped	Chassis	Windshield	Front End			(Heavier chassis available					specifications.	as a truck unit under the Metro name.)	Chassis &	Cab	Chassis &	Cab	Chassis &	Cab	
Name or Number	D400					F-100		F-250		F-350		P-100		P-350			P-400				P-500				P-600		(Special	order)	* 001 114	Wetro	(Heavier ch	AM 120.*	Metro-Lite	AM 80-*	Metro mite	*(See fruck	as a truck u	3014		3015		3020		
Manufacturer		cont.d			ORCHE S	E	Ford Motor	Co.																					International	Harvester	Co.							White Motor	°°					
Chassis Weight (lbs.)	2635	2792	2915	3070	3350	3390	3830	3961	3920	4098	4610	4780	4650	4820	4660	4830	5040	4740	4910	4790	4960	5020	2190	2738	2805	2835	2914	3000	3024	2660	2695		2910	2945	2980	4035	4090	2570	2570	2595	3090		3335	
Engines Available Horsepower/#Cyl.	135/6 or 160/8	150/6 or 160/8	135/6	135/6	135/6	135/6	135/6	135/6	101/6 or 140/6			140/6			125/6		101 /4 00	140/6	200/8	140/6 or	200/8	140/6 or	8/007																					
Wheel Base (inches)	115	115	127	127	133	133	133	133	157	157	133	133	145	145	157	157	175	133	133	157	157	175	175	104	125	137	104	125	137	104	122		104	125	137	137	154	11.4	122		122		133	
Gross Vehicle Weight Rating (lbs.)	5200	5200	7500	7500	10000	10000	14000	14000	14000	14000	16000	16000	16000	16000	16000	16000	16000	19500	19500	19500	19500	19500	19500	2000	2000	2000	10000	10000	10000	7500			10000			1 5000		6100	200		7500		10000	
Type	Cowl	Cowl w/s	Cowl w/s	Cowl	Cowl w/s	Cowl	Cowl w/s	Cowl	Cowl w/s	Fwd. Con.	Fwd. Con.	Fwd. Con.	Fwd. Con.	Fwd. Con.	Fwd. Con.	Forward-	Control	Chassis	Forward-	Control	Chassis	Forward-	Control	Chassis	Cowl		Chassis-	Cowl	Chossis-	Cowl														
Model Name or Number	C1402	C1412	C2502	C2512	C3602	C3612	C4102	C4112	C4302	C4312	C5102	C5112	C5202	C5212	C5302	C5312	C5512	C6102	C6112	C6302	C6312	C6502	C6512	P2342	P2542	P2642	P3342	P3542	P3642	P200			P300			P400		0010	3		D200		D300	
Manufacturer	Chevrolet																													Dodge														

Button up your shirt business... by using any one of our quality bleaches. Whether it's Ad-Dri (just add it dry from the drum), HTH Granular (to make your own stock solution) or HTH Soda Bleach Mix (it's pre-mixed to perfection)... any one will give you consistent bleaching action. White shirts come out whiter, difficult stains disappear. And, with an Olin Mathieson bleach, there's less tensile strength loss. That means longer fabric life, happy customers, better business. Write for literature. HTH®, AD-DRI® are trademarks

all bleaching problems dissolve with

dissolve with... AD-DRI Bleach HTH Granular Bleach HTH Soda Bleach Mix

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Chemicals Division • Baltimore 3, Maryland



REGARDLESS OF VARIATIONS

in padding or garment thickness

T UNIFORM PRESSUR

with high pressure FOLLOW-TH



PROSPERITY' POWER-RAMIC prl press

Teduced operator fatique
Tables and bucks lower for ideal working position.
Convenient controls for "drop-hand" operation.
Wider opening head for easier lays.
Greater clearance between back of lower buck Raised rail prevents garments sliding from table.

simplified maintenance, minimum parts

Balance springs eliminated.

Permanently lubricated bearings.
Only four principal points of lubrication.
Parts interchangeable with other Power-Ramic presses.
Stainless Steel, armour-clad, flexible steam hose

can't kink or twist.

minimized corrosion

Stainless Steel tables. Stainless Steel pressing heads on most models. Polystyrene enclosure panels.

quiet operation

Jumbo exhaust muffler.

Polystyrene panels eliminate metallic sounds.

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WILSON Laundryman's STAIN REMOVAL KIT

Here's the easy way to get acquainted with the advantages of Wilson performance-packed stain removers . . . and equip for efficient, time-saving stain removal. This new Laundryman's Kit contains everything you need to tackle 99% of spots and stains, and saves you 10% under what you'd pay if each product in it were separately purchased.



Here's what you get in the Wilson Laundryman's Stain Removal Kit

- 1 bottle YellowGo[®] Perfect answer for color runs – removes dye stains of any color from any fabric. Highly concentrated—has reserve power to handle the really tough jobs.
- 1 bottle TarGo® Powerful penetrating spotter for all oil-base stains. Flushes easily with tap water—no need to rewash. Twice as effective as ordinary spotters.
- 1 bottle InkGo® Unique lightning-fast remover for many problem stains. Reacts in 30 seconds.
- 1 bottle ColorGo® Companion product to InkGo. Excellent powdered stripper good for whitening cottons with chlorine-retentive finishes that turn yellow.

- 1 bottle ExGo® For iodine, argyrol, X-ray and photo developer stains. Safe, quick, easy to use.
- 1 bottle RustGo® Best there is for removing rust stains.

plus

Handy dispenser bottles and helpful "Spot and Stain Removal Handi-File"

Order now from your Wilson jobber

A. L. WILSON CHEMICAL CO.



HAVE YOU HEARD the latest ...

The LSAA got a photo-plug in the August 29 issue of Advertising Age for its public service truck poster program. The signs, changed monthly, have appeared on 3,000 linen supply vehicles since 1952.

The South Carolina Launderers & Cleaners will sponsor a "live" shirt finishing demonstration at the State Fair in Columbia, October 17-22.

The Vallejo (California) Steam Laundry has discontinued its 60-year-old custom of blowing a whistle to announce the start and close of a work

day. The whistle finally wore out and is being replaced with an internal alarm system. Another evidence of vanishing Americana.

Los Angeles LM's are seeking support for Paul Wolf, director of laundry and linen services at Cedars of Lebanon Hospital, Los Angeles, California whose name they hope to place in nomination for the presidency of the National Association of Institutional Laundry Managers. The elections will take place in Miami, Florida, next April. Monarch Laundries of New Haven, Connecticut, intends to submit a bill for \$550 to the city for all the rewashings necessitated by municipal dumping operations in the vicinity. The management claims from 100 to 150 dust-soiled shirts a day had to be redone during a two-week period.

The Laundry and Dry Cleaning International Union was one of eight national unions participating in the purchase of the President Madison at Miami Beach, Florida. The 205-room hotel will be used as a retirement home for members.

The American Institute of Laundering is undertaking a national effort to promote industry-wide use of standardized names for basic laundry services. The names chosen are: FLUFF-FOLD - everything washed, dried and folded; FLUFF & FINISHlinens and shirts finished, other items fluff-dried: READY-TO-USE - all items completely finished; HOUSE-HOLD—draperies, curtains, pillows, throw rugs, etc.; BACHELOR - a special piece-priced service for men, consisting mostly of shirts; LINENSluxury service for sheets, pillowcases and table linens.

We were recently approached by a gentleman who says he has developed a new activated fatty acid soap that shows promise of increasing washroom production of shirts and flatwork by 22 percent. He claims it eliminates the "break"; cuts alkali requirements one-half to two-thirds; and reduces the normal amount of soap required.

A Congolese laundryman had a brief whirl at international diplomacy last month as a member of one of two competing delegations to the United Nations. Thirty-five-year-old Robert Kinda who, until recently, apparently had no greater problem than seeing to it that the right shirts got to the right customers in Leopoldville, decided it was time to get back to his laundry in the Congo when he got wind, so he said, of an attempt on his life.

Philadelphia's City Council Committee of Municipal Development and Zoning is studying a regulatory bill requiring attendants and curbing hours of operation of self-service laundries. Sponsors of the bill testified at public

Continued on page 134

...the kind that brings them back for more? Monograms that stand out? Smooth even hems? Gentle treatment of fine linens? Every laundry executive knows that good quality flatwork requires resiliency in the ironer rolls. And you get the most resiliency with soft, absorbent cotton padding. But do you know that a cotton padding system can cost less in the long run than asbestos padding?...that it can be easy and convenient to use? The BesTos Separable Fastener Assembly is the answer! Here's how it works: The binder goes on first - to stay. It lasts for years because it is woven of monel wire covered with asbestos. The cotton padding comes next and then the cover, which you attach by a patented Separable Fastener to the trailing end of the binder. The pad will last about three months, and the cover, six to eighteen months. Either one can be replaced in ten minutes without disturbing the

A QUALITY Covers are made of coated asbestos, cotton or Dacron. The

coated aspestos, cotton or Dacron. The choice of material depends on the kind of workmanship you wish to sell.

Why not let a BesTos sales-service man show you the advantages of a BesTos Separable Fastener Assembly at your plant? Just write or call any Tingue, Brown office and we will send a representative to you promptly.

TINGUE, BROWN & CO. 1227 Wabash Avenue • Chicago 5, 723 E. Washington Boulevard • in

1765 Carter Avenue • New York 57, New York 1227 Wabash Avenue • Chicago 5, Illinois 1/23 E. Washington Boulevard • Los Angeles 21, California 507 Bishop Street N. w. • Atlanta 13, Georgia



WORLD'S FINEST LAUNDRY MACHINERY

Proven Geodership,

COMPARE THE OBVIOUS QUALITY AND
MODERATE COST OF MILNOR EQUIP-



Completely Automatic

WASHER-EXTRACTORS

EQUIPPED WITH
MILTROL AND
AUTOMATIC

SUPPLY

★ 5 SIZES

MILNOR 25 and MILNOR 60

Revolutionary new design . . . Continuous Balancing Device! Load it, then, unload it . . . that's all.

Extractor speeds: 25 lb., 1000 revolutions per minute; 60 lb., 900 revolutions per minute. Features intermediate short duration (20 seconds) extraction periods.

MILNOR 100 and MILNOR 175

The most completely automatic combination Washer-Extractors made. MILNOR's exclusive intermediate short-duration extraction cycle between suds and rinses shortens washing time amazinaly.



MILNOR 300

Brings real automation into the washroom—at last! Full safety controls. Out of balance safety device stops machine immediately and signals the operator.

IN LAUNDRY EQUIPMENT TODAY!

PELLERIN MILNOR CORPORATION, P. O. BOX 19264, NEW ORLEANS 19, LA.

CONSULT THE MILNOR DISTRIBUTOR IN YOUR AREA

Want to grow a MONEY TREE?

Just start using .

LUMAR

If smoother, trouble-free production means more profit for you, then using Lumar is just like having your own money tree. Penny by penny your production savings will grow. Will you let Lumar do any or all of these time-saving, trouble-saving things for you?

- Make fabrics easy to pull, thus speeding up unloading of wash wheels.
- ◀ Cut extraction time from 15 to 25 per cent.
- ◆ Permit faster shake-out, faster "lays" on presses.
- ◀ Prevent rolling on flat work ironer.
- ◀ Help tumble work dry faster.
- ◀ Eliminate static and minimize lint.

These are just some of the benefits you can enjoy if you use Lumar, the original powdered fabric softener. Moreover, Lumar is inexpensive (1½ oz. per 100 lbs. dry weight of clothes) and clean and easy to use (simply add dry to the sour or starch cycle).

Thousands of laundries use Lumar faith-



fully—wouldn't operate without it. So certain is our belief in it that we offer this

GUARANTEE

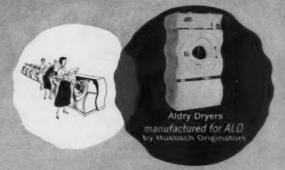
If Lumar doesn't do what we say it will do, return the unused portion to your laundry supply distributor and receive a refund for the full drum.

We also make Marlynbrite which whitens whites and brightens colors—beautifully!

MARLYN CHEMICAL CO., INC.

THIS IS NO TIME TO FOLLOW!

It makes good business sense to join the leaders. The Aldry Dryer is designed and built specifically for laundry stores for ALD by the manufacturer whose creative engineering capabilities are respected and recognized throughout the world and whose advances are imitated years later.



Whether you need ruggedly built Aldry
Commercial Dryers which will handle one to six
loads with ease... or other trouble-free equipment
for an entire new store, it's smart to consult
ALD. Proper balanced equipment, engineered
exclusively for the laundry store industry... backed
by intelligent store planning, a national service
and parts organization, and the nation's most
complete advertising programs have made over
9,500 licensed Westinghouse Laundromat* stores
supreme in profits and consumer acceptance.

Can you risk your capital on untried equipment and inexperienced distributors when you too can afford to have the best, work with ALD, and profit by the consumer acceptance of the sign of the licensed Westinghouse Laundromat Store? Call or write for equipment information and details on ALD's liberal financing plan.

ALD, Inc.

7045 North Western Avenue, Chicago 45
Offices in 44 principal cities
ALD Canada, 188.
54 Advance Road, Toronto, Ontario

continues to the west and rds for the laundry store industry.

GOING STEADY!

Yes . . . trousers being delivered on GRIPPO TROU-SER GUARDS are always going steady! Despite bouncing, bumping, quick stops and starts of your truck, they always arrive neat looking and securely intact. GRIPPO TROUSER GUARDS will hold trousers when there's only a few inches overhang. See if your present guard will. They also come in Blue Chip for extra-heavy-duty use.



MORE GRIPPO TROUSER GUARDS ARE USED BY CLEANERS THAN ANY OTHER KIND!

GRIPPO TROUSER GUARDS

> THE ORIGINAL SLIP-RESISTANT TROUSER GUARD (Not An Imitation)



GRIPPO SHOULDER GUARDS

Mode of plastic - foam, GRIPPO SHOULDER GUARDS easily and simply convert plain wire hangers into useful accessories in seconds . . . to hold all fabrics snugly and nearly. Soft pastels and white to please feminine clients.



Your Name Printed on GRIPPO SHOULDER GUARDS at Small Additional Cost.

SOLD BY LEADING DISTRIBUTORS
Get Complete Information From Your
Distributor Today!

L. M. LEATHERS' SONS

PAPER PRODUCTS DIVISION
P. O. Box 1188 • Athens, Ga.

Continued from page 130

hearings that many such laundries are unsanitary and are the scenes of various crimes, as well as hangouts for vagrants.

Pennsylvania has appointed its first Air Pollution Control Commission. This six-member body will have the power to curb the discharge of air contaminants.

Some diaper service plants are using a new water-base paint with antiseptic qualities said to control bacteria count in rooms where sterilized diapers are handled.

A recent issue of American Motel magazine contained a special 12-page laundry section, highlighted by the report of a Denver motel operator who claims that, after one year of operating his own laundry, he saved \$715.05 over the cost of using an outside laundry and \$2,735.43 over the cost of using a linen rental service.

A Liverpool, Nova Scotia, laundryowner paid off his employees in silver dollars one week to help remind local merchants who got them that most of this money is spent in town. It was hoped that this would encourage fuller use of in-town laundry service.

A new study analyzing the merits and demerits of truck leasing, comparing lease costs with company-owned trucks, is entitled "Truck Fleets: Lease or Buy?" Single copies are free from the Foundation for Management Research, 121 W. Adams St., Chicago 3, Ill.

American industry, smarting from the impact of a sharp squeeze on profit margins, is intensifying its search for new ways to cut costs, according to the Wall Street Journal. Although most sales are steady or up, earnings of major corporations as reported in the Journal's second-quarter survey declined more than 12 percent from last year's level.

The American Home Laundry Manufacturers' Association will hold its annual Home Laundry Conference at the Fairmount Hotel, San Francisco, November 3–4. It covers developments in home laundry equipment, fabrics, finishes, detergents and other home laundry aids.

Three Things about
You will like about
You will like about
The Southern Line of
Caundry Textiles
Cottonnales

✓ Complete Line
✓ Dependable
Manufacturer

V Prompt Delivery

Cotton Nets Nylon Nets

Cover Duck PressPads

Wondress Ironer Pads

SouLon Padding

Baskets On-and-On Felts

Flannel Feed Ribbons

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SOUTHERN MILLS

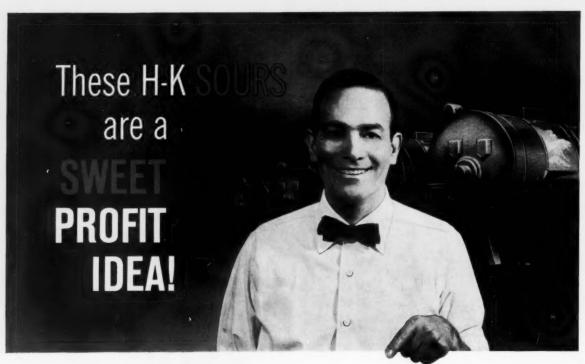
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for the finest

teday..

for the newest

tomerrow!



BLUFIXE COLORFIXE LUSTERFIXE

Here's the easy way to satisfy customers! Use BLUFIXE to remove all stains—its full distribution of blue assures you gleaming whiteness, does away with gray deposits and soap specks. And BLUFIXE sterilizes as it works, prevents mildew, gives you whiter washes at lower cost, with a minimum of labor!

COLORFIXE is the best-known way to *safely* turn out superior color work. It checks bleeding, prevents contact stains, imparts a soft-finish—and deodorizes. So economical to use, too!

And LUSTERFIXE—for the laundry operator who wants to get the whitening result of a complete sour and a blue in one product—and in one operation! Excellent for those difficult-to-remove collar stains! Want more information? Just drop us a line—today!



Established 1851

H. Kohnstamm & Co., Inc.

NEW YORK 13, 161 Avenue of the Americas . . . CHICAGO 11, 11-13 E. Illinois St. LOS ANGELES, (P. O. Address) 2632 E. 54 St., Huntington Park, Calif.

Foremost Manufacturer and Distributor of Quality Laundry and Cleaning Supplies

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DETROIT - FARGO - GREENSBORO - HOUSTON - INDIANAPOLIS - JACKSONVILLE - KANSAS CITY, MO. - MEMPHIS - MINNEAPOLIS - NEW ORLEANS - OMAHA
PHILADELPHIA - ST. LOUIS - SAN ANTONIO - SEATTLE - TULSA

FACTORIES: BROOKLYN, N. Y. . CAMDEN, N. J. . CLEARING, ILL. . CHICAGO, ILL. . KEARNY, N. J. . NEWARK, N. J. . LOS ANGELES, CALIF.

full value plus extra service

from H. KOHNSTAMM & CO., INC.

The better methods and the more efficient materials you get from KOHNSTAMM are the results of constant research. Our organization is proud of the fact that it was one of the first industrial concerns to engage in laboratory research work in this country, recognizing that the progress of the laundry industry would depend upon constantly improved methods and materials.

If you are looking for worthwhile savings in water, fuel. labor, equipment and supplies...and if you want to consistently turn out the superior work that guarantees enstomer satisfaction...join the thousands of satisfied Kohnstamm customers who look to us now, as in the many years past since 1851, for the very best in merchandise and service.

Talk to our representative today—or drop us a line for further information. See what Kohnstamm can do for you! You'll be pleased with the results!



Here are some of the time-saving, money-saving products available to you from

H. KOHNSTAMM, INC.

PERLITE...The wonderful soap builder with great stain removing power and <u>no</u> harmful action on fabric. Suspends rust—rinses easily—saves soap!

INTERSUDS...The complete soap with amazing detergent action on oily and hard-to-remove stains. Gives brighter, more sparkling wash. You can see the difference in one wash!

HYWITE...The soap with greater dirt and stain removing power—and no builder need be added to it! May be used dry or boiled up in solution—requires no mixing—eliminates extra materials!

SIMPLEX...Properly balanced and ready for use right from the barrel! Keeps rust and sediment off clothing...is made to work at break temperatures throughout on white work!

H-K DRY BLEACH AND DETERGENT ... The single product with the triple action: removes stains... whitens... aids rinsing! Special soap-stripping action clarifies linen—assures fresh, clean, sweet-smelling work. Use right

from the drum!

NO. 996 UNIVERSAL DETERGENT...For laundering overalls, workclothes, floor mops and similar items. Removes grease better, rinses quicker, washes cleaner. Shorter washing formula. Safer to fabrics, too!

SENECA...The non-congealing starch that gives a fine, smooth, even, uniform finish that means greater customer satisfaction! Used dry in the wheel.

LUSTERFIXE... Made especially for the laundry operator who wants to get the whitening result of a complete sour and a blue in one product—and in one operation! Excellent for removing yellow perspiration stains from collars.

S. R. F....For the fastest, most economical washes you've ever seen. Saves fuel...water...time...and increases the capacity of your equipment! A super rinsing-aid!

C.W.P....The "seeing eye" of laundry service—designed to do a selling job for you through the appeal of cleaner, brighter unfaded colored work!

INEX...The miracle rinsing aid! Inex brings you "whiter" white work than ever before possible—and does it with a big reduction in time, labor, fuel and equipment. Saves on water ...taxes. Brings wash a truly "new" degree of whiteness!

LIMESOLV...Add it dry to the wheel—just as it comes from the drum—and it almost immediately disperses and checks limesoap deposits on linens!

BLUFIX E... Removes stains—and its even distribution of blue assures you gleaming whiteness, does away with gray deposits, avoids soap specks. Sterilizes—gives you whiter washes!

COLORFIXE...Checks color bleeding, prevents contact stains, imparts a soft finish—and deodorizes. For truly superior color work! Use on all classifications—white or colored. The universal sour!

ACROTEX...The new and long-wearing anti-static cover cloth that's perfect for your flatwork ironers. Requires fewer changes...means better finishing and more savings for you!

THERMOTEX...The miracle cover cloth that averages twice the length of service of rival cover cloths! Speeds up production, improves finish. Wears like iron!

DIASAN... Gives linens an enduring antiseptic finish that helps combat the spread of germs from linen surfaces. Destroys Staphylococcus Aureus on contact!

LEVELON...The blue that takes evenly on all classes of work—never shows-up albumen stains. Hard fabrics and soft fabrics—all come out the same uniform shade. Saves its cost in water alone!



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DETROIT - FARGO - GREENSBORO - HOUSTON - INDIANAPOLIS - JACKSONVILLE - KANSAS CITY, MO. - MEMPHIS - MINNEAPOLIS - NEW ORLEANS - OMAHA
PHILADELPHIA - ST. LOUIS - SAN ANTONIO - SEATTLE - TULSA

FACTORIES: BROOKLYN, N. Y. . CAMDEN, N. J. . CLEARING, ILL. . CHICAGO, ILL. . KEARNY, N. J. . NEWARK, N. J. . LOS ANGELES, CALIF.



AIR STREAM OF BIFURCATOR® FAN EXHAUSTS EXCESS MOISTURE TO PRE-CONDITION LOAD

All makes of washer-extractor combinations use a final hot rinse to improve extraction.

However, only the TROY WX Combination adds heat... exhausts steam and moisture during the shake-out cycle for superior extraction and actual pre-conditioning of the load.

Every item comes out of a TROY WX Combination just right for ironing or press department finishing. Pieces are easier to handle . . . floors stay dry! And, there's no rush of steam when you open the door.

Users of TROY WX Combinations report that the combined effect of the automatic trunion-type spray rinse and Bifurcator fan fluffing provides shorter cycles and automatic preconditioning of the load.

Before you invest in any washerextractor, study all the advantages of a TROY WX — automatically controlled wash-extract cycles; compact, space-saving design; "Carefree" automatic supply injection; divided stainless steel cylinder for proper load balance; and traditional TROY ruggedness.

Write Dept. LJ-1060 for detailed bulletin.

Divisions of American Machine and Metals, Inc.

TROY LAUNDRY MACHINERY • RIEHLE TESTING
MACHINES • DE BOTHEZAT FANS • TOLHURST
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FILTRATION FABRICS • NIAGARA FILTERS •
UNITED STATES GAUGE • RAHM INSTRUMENTS
• LAMB ELECTRIC COMPANY • HUNTER SPRING
COMPANY • GLASER-STEERS CORPORATION

association ACTIVITIES

DSIA Announces Marketing Plans. Award for Member Firm

The marketing program for diaper service, developed by the Industry Promotion Committee of the Diaper Service Industry Association, is nearing completion and will be ready for distribution in a few weeks.

Association President Eli Birer has

announced the establishment of the "President's Award" to be presented to the member firm that has taken part in Diaper Service Industry Association activities to the greatest extent during the past year. The new award will serve as a companion to the Auslander Award, presented to the individual who has contributed most to the association during the year.



LSAA's Shapiro Award Winner of Executive Group

Samuel B. Shapiro, executive director of the Linen Supply Association of America, has received one of the first four Key Awards of the American Society of Association Executives. Mr. Shapiro received the key at a recent meeting of the ASAE. The award was in the large national association category. Mr. Shapiro is shown at right receiving the award from ASAE President Joseph F. Miller.

According to the executives' association, the awards are the highest honors given members for outstanding leadership. ASAE membership totals 2,000 executives in the United States and Canada.

Coin-Op Taxation Assailed

The National Association of Coin Laundry Equipment Operators, Inc., is undertaking a study of the legality of state and local taxes levied on coinop laundries on a per-machine basis. This growing method of taxing coin laundry machines is said to be unfair since, in effect, it imposes a penalty on a method of doing business and places the coin-op owner at a competitive disadvantage.

Members of the association are asked to send information about this kind of taxation in their localities to its executive offices at 712 Dupont Circle Bldg., Washington 6, D. C.

New England LM's Elect Officers

The New England Institutional Laundry Managers Association recently elected Vincent Hickey, Veterans Administration Hospital, Boston, president. Vice-president is Mary Crouse, Maine General Hospital, Portland, Me. Secretary is Joseph F. Kelly, The Faulkner Hospital, Boston, and treasurer is Clarence W. Hardy, Grover Manor Hospital, Revere, Mass.

Continued on page 142



NOW! THE KEY TO

FULL PROFITS ON TODAY'S

SMALL BUNDLE! now you can go after the piece-price partial bundle your customers want to send! a whole new system of modern laundry management. based on a new identification system...



Write for the lot control story

large family bundle and the small piece-price bundle at the same new low cost-make the same full profit on both. Easy to maintain a 2 or 3 day delivery schedule. Big new savings in all departments and services. Allows simplified billing and payroll methods. Key-Tag Lot Control combines the best of "pin and net" with selective full identification in a simple, foolproof plant-wide system. 100% mechanical check on everything-always. No human error. Cut identification help up to 40%. Use green labor Train mark-in girls in 4 hours. Full nets-full wheel loads.

THE KEY-TAG CHECKING SYSTEM CO. 6509 HOUGH AVENUE - CLEVELAND 3. OHIO



Who Said It Couldn't Be Done?

Once Again DYNA WASH Has Done It

Not one but eight DYNA WASH operate on fifth (not second) floor

Here are the Facts:

MEDICAL CENTER, Jersey City, N. J., replaced 12 pieces of conventional equipment with 8 standard automatic model DYNA WASH, using ½ original space. No anti-vibration gimmicks; no special foundation; same 8" floor.

Here are the Results:

Water consumption reduced ½; supplies reduced ½; average washing—extracting cycle 45 min.; total daily production 15,000 lbs.; wash brighter—whiter; daily demand met by 2:00 P.M. instead of 9:00 P.M. DYNA WASH is imitated but not equaled.

"First to Break Vibration Barrier"

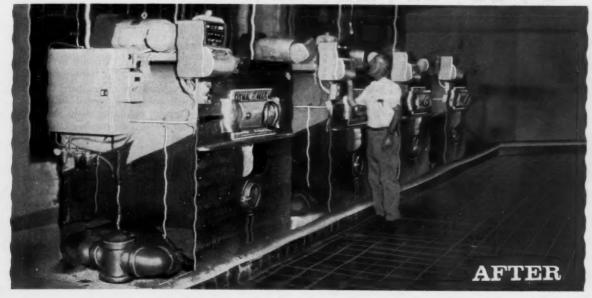


DYNA WASH

WASHER-EXTRACTOR

Distributors Welcomed

Manufactured EXCLUSIVELY by The EDRO Corp., New Britain, Connecticut



BE ... MODERN PROGRESSIVE SUCCESSFUL

WITH ...

Unipress-Milnor-Detrex

Complete Line

Laundry and Drycleaning Equipment

TALLEY LAUNDRY MACHINERY CO.

Manufacturers—Jobbers—Rebuilders

Modern Laundry and Drycleaning
Machinery

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A Cheerful Group, These Ohio Trustees

This smiling group are the trustees of the Ohio Laundryowners Association. They are shown at their first fall meeting in Columbus.

Left to right: Merrill Sitz, Akron; Larry Keating, Lima; Art Osmon, Tiffin; George Feller, Bowling Green; Howard Deming, Newark; Gordon Schwan, Mansfield; Carl Forth, Dayton.

Standing: Don Dolbeer, Springfield; Al Alvarez, Lorain; Jack Salzer, Cleveland; Dick Clark, Xenia; Elmer Cash, Mansfield; Clarence Lostetter, Dover-New Philadelphia; Ed Durham, Columbus; and Bud Leece, Cleveland.

Sectional meetings throughout the state will be started again this year. Emphasis will be placed on plant visits and a one-subject meeting to allow adequate preparation for discussions.

Among committees to be appointed by President George Feller is a special legislative committee to keep up with all the proposed laws that are expected to be introduced in the Ohio Legislature in 1961. A committee on minimum wages will also be active as a new board has been appointed to set a new minimum in Ohio for women and minors in the laundry industry. Still another committee will gather information on laundry consultants to answer inquiries made by the association's members.

Information, Please

The Massachusetts Laundryowners' Association, 20 Providence St., Boston 16, Mass., is seeking information about this machine mark found in three places on a bath towel—S H E P. In one instance, the mark is preceded by a handwritten number 7. If you have any information about this mark, contact association offices at once.

Institutional Meeting Set

The Hospital Council of Southern California and the Institutional Laundry Managers of Southern California will hold their annual Institute on Laundry and Linen at the Statler Hilton Hotel, Los Angeles, December 6 and 7.

Anne Sterling Handbook

A handbook on the care of fabrics, by-lined by Mrs. Anne Sterling, new national voice of the laundry industry, will soon be distributed to all participants in the AIL national public relations program for answering their customer's questions.

The handbook is currently in mimeo form, but if enough participants would



indura

AN EXCLUSIVE PRODUCT

is absolutely guaranteed to be superior.

Since the days of the Pharaohs, rice has been acknowledged to be in every way the best starch. Experienced Laundry men everywhere know it as the most versatile, the most economical and the most beautiful of all starches.

Now you no longer need depend on inferior wheat or corn starches. Enduro can supply your needs with the finest rice starch at competitive

NOW! SAVE UP TO 50%

Enduro Rice Starch has an established reputation for the many advantages it offers. These include:

ECONOMY

Your overall costs will be greatly reduced because finishing production is increased. Valuable time is saved because of less frequent cleaning of press heads, sleevers and ironer chests. In addition. there is a reduction in soilage of press and ironer covers.

• SUPERIOR BODY

You can achieve any desired stiffness or size you require. Enduro is equally suitable for flatwork or stiff collars or nurses bibs. Regardless of how stiff the finish, you will find no sacrifice of pliability. Why not end complaints resulting from cracking, blistering or razor edge?

• EASIER PROCESSING

You'll get results superior to those of boiled or cold starches because Enduro is so quickly and completely soluble in cold water. It is ideal for hand dipping. This outstanding product saves time, energy and steam . . . and reduces ironing and pressing man-hours by 10 to 15%.

• MORE BEAUTIFUL FINISHES

You'll find that there is no equal to the appearance of Enduro-finished garments with their white, soft lustre so pleasing to the eye and to the touch.

YOU SAVE UP TO 50% ON STARCHING OPERATIONS

LINEN SUPPLIERS

will be especially pleased with this new approach to starch build-up problems

ANOTHER

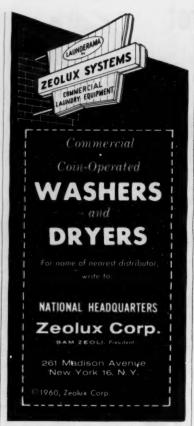
PRODUCT

Call your Enduro salesman today . . . or write for the name of your nearest supplier.

AURORA MANUFACTURING CORP.

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like a printed version in condensed form to distribute to their customers, a printed handbook will be issued.

News From Florida

C. B. "Burt" Myers, Polly Prim's Launderers, Lakeland, Fla., has been elected president of the Florida Institute of Laundering and Cleaning, Mike Whitman, Blue Ribbon Cleaners Madeira Beach, has been elected FILAC vice-president.

The association's first annual AIL-NID scholarship awards were won by Ralph Agostini, Warren's Laundry, Fort Pierce, and Paul Fuller, Home Service Laundry, St. Petersburg. Mr. Agostini won the \$100 AIL award; Mr. Fuller won the \$100 NID prize.

AlL Considers Home Counselor Course

A specialized training course for laundry home counselors is being planned by the American Institute of Laundering under the National Public Relations for Professional Laundries program. The course is tentatively set for this fall or early winter. Final decision on holding the school depends on the number of enrollments.

Special FABRIC FORMULATIONS! STAD-SPUN and STAD-TEX press covers

treated for longer wear



STAD-SPUN F all spun nylon covers, made "form fitted" for all presses where a non-slip, nonstick cover is needed.

STAD-TEX filament nylon covers, especially developed for sleeve, yoke and backer presses.

BOTH FABRICS have improved heat and abrasion resistants.

New! STADHAM NYLON PADS

28 and 48 oz. wt. CUT TO FIT ALL PRESSES

Added!

NYLON DACRON FLEECE for wings and expander blades



Sold through all leading distributors

STADHAM

manufacturers of—pads, covers, bags aprons, nylon tape, textile specialties

According to present plans, the course would run two or three days and deal with such subjects as speaking techniques before groups and on radio and TV, public relations and publicity, counseling in the home, conducting plant tours, advertising and publicity copy writing, the latest developments in the public relations program. The course would be held at Institute headquarters in Joliet, Ill.

AlL Honors Long-time Members

More than 600 AIL members recently received Silver Circle plaques in commemoration of their being associated with the Institute for 25 or more

The plaques feature a silver laminated certificate with the firm name and are suitable for desk or wall display.

LSAA Sales Program Aimed At Hotels and Motels

A new sales program, called "Selling Linen Supply to Hotels and Motels with the 'Rent or Buy' Comparison," is in the form of a meeting guide outline for linen supply company sales personnel.

The guide, based on Linen Supply Association of America research, shows that when all hidden costs are considered, it is more expensive for a hotel or motel to launder its own linens than to utilize linen supply service.

Leather Association **Chooses New Officers**

Rolland Lindsey of Reed Cleaners, Fargo, N. D., was reelected for his second term as president of the Suede and Leather Refinishers of America at the group's recent annual convention. New officers are: John Pysarchuk, Glove Cleaning Service, Cleveland, vice-president; Elmer Jochem, Deer Park Cleaners, Cincinnati, treasurer; Joseph Adamowski, Salzburg Drycleaners, Bay City, Mich., secretary. Allan J. Copeland of Chicago remains executive director.

Virginians Elect Leaders

At the recent convention of the Virginia Association of Launderers and Cleaners in Roanoke, Ed Glover of Arlington was chosen president. Also elected were Vincent S. Wheeler, Roanoke, vice-president; Albert G. Hofheimer, Norfolk, secretary; and Jack Maddox of Charlottesville, treasurer.

TIE IT & SAVE



Tying shirts before washing is major cost cutter

If you have been looking for a way to stop shirt tangling during washing and to eliminate net costs, string-tying is your answer.

The Ideal Troy Laundry, Peoria, Illinois, reports that this new method saved enough money to pay for two Bunn Tying Machines in six months. It's easier on the shirts too; there is no pulling or tugging needed to untangle them.

Prior to washing, shirts are tied in bundles of eight, with collars at one end and tails at the other. Three ties are made: one at each end and one in the middle. The bundles come out of the washer still neatly tied. A girl removes the string, places the shirts on a rollround truck, and they're ready for the finishers.

Operation of the Bunn Tying Machine is so simple anyone can use it without training. It adjusts automatically to bundle size . . . always ties securely with a minimum of twine. The bow knots hold tight during the rigors of washing.

'Most laundry operations," says Jack Triebel, general manager at Ideal Troy, "have been streamlined to the point where it is difficult to find ways to make a really big saving. That's why ideas such as shirt-tying are welcome."

Ask for the Details. To learn more about this money saving method, mail coupon today. You will be glad you did.

PACKAGE TYING MACHINES - SINCE 1907

B. H. BUNN COMPANY

7605 Vincennes Ave., Dept. LJ-100 Chicago 20, III. -

4	87						
	MAIL THIS COUPON NOW						
L	B. H. BUNN COMPANY, Dept. LJ-100 7605 Vincennes Ave., Chicago 20, III.						
	Please send free booklet which illustrates how we may cut costs with Bunn automatic tyling.						
	Name						

Address Zone



Nationwide Consumer Survey Shows . . . YOUR CUSTOMERS PREFER LAUNDRY AND DRYCLEANING IN POLYETHYLENE

In a recent nationwide consumer survey of 17 cities, 72% of 1,300 respondents said they preferred their laundry and drycleaning wrapped in polyethylene rather than in any other packaging material. In several cities, percentages ran even higher. In Chicago and Philadelphia, for example, the preference for polyethylene was greater than 83%; in Milwaukee, over 80%.

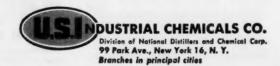
But only 70% of those surveyed now receive laundry and drycleaning in polyethylene . . . proof that more people *prefer* polyethylene than are now receiving their clothes in this packaging material.

Here, in order of relative importance to those queried, are reasons why polyethylene was first choice:

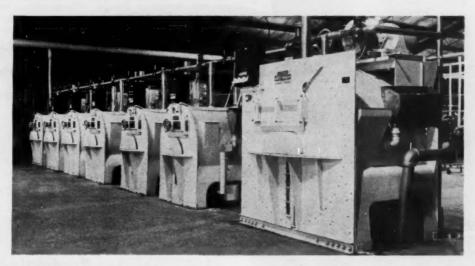
- · Polyethylene is transparent
- It offers better protection against dust and water
- Garments are easier to store
- · The film is stronger
- It keeps clothes neater
- Packaging is more attractive
- · The film is soft, noiseless

These are important reasons for considering polyethylene to improve the quality of your packaging. Polyethylene gives that extra touch of prestige to your service... helps build business for you. And it is the most economical packaging material you can buy.

When you buy polyethylene, be sure to specify the film properties that are best suited to your bagging operation. U.S.I., producer of quality PETROTHENE® polyethylene resins, will be glad to work with your supplier in setting up specifications to give you assured satisfaction. U.S.I. also has available a new booklet, "Which Polyethylene Film Should I Use," which can help you make a sound choice. For your copy, write to the address below.



There are 1010 reasons why you should buy a G. A. BRAUN washer-extractor



HERE THEY ARE:

Reason No. 1—LABOR SAVINGS—Braun Unit Wash Saves on Labor—up to $50\,\%$.

Reason No. 2—SPACE SAVINGS—Braun Unit Wash needs only 1/3 the space of conventional washers, extractors and shake-out tumblers. No hoists needed.

Reason No. 3—QUALITY—Braun Unit Wash gives exclusive BIG DROP—WET RUB—SQUEEZE action. Average Whiteness Retention—98%, Average Tensile Strength loss—4%.

Reason No. 4—WATER SAVINGS—Braun Unit Wash uses only 2.2 gallons per pound of wash.

Reason No. 5—FUEL SAVINGS—Up to 30%.

Reason No. 6-SUPPLIES SAVINGS-Up to 40%.

Reason No. 7—REPAIR AND REPLACEMENT SAVINGS— Mending or linen replacement savings up to 40% by eliminating handling of heavy wet garments.

Reason No. 8—IT'S NEW—Brand New 1961 models with new features now ready.

Reason No. 9—**LEASE PLAN**—Now available for Qualified buyers.

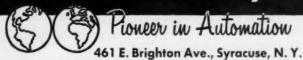
Reason No. 10—**EXPERIENCE**—When you buy BRAUN—you buy the BEST—from the pioneer in washroom mechanization—the washer-extractor SPECIALISTS.

Reasons No. 11 to 1010—The 1000 satisfied, money saving, quality producing Braun Unit Wash Installations—EACH ONE A REASON—EACH ONE A TESTIMONIAL.

There are the 1010 reasons why you should write G. A. Braun TODAY.

OUR ONLY BUSINESS IS WASHER-EXTRACTORS

G. A. BRAUN, INC.



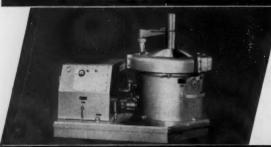
Most complete range of WASHER-EXTRACTORS

60 250-275 100 300-325 200 375-400 600-650

Over 1000 Installations

How to Reduce Production Costs and Increase Output...for MORE PROFIT

HYDRAXTOR . . . fast, low cost extraction



Higher Pressure... Automatic... Safe

Guaranteed to pay for itself in a short time in greater extraction, lower labor, power, water and operating costs. Actually saves over 35% per pound per hour on extraction! Outperforms any centrifugal type machine. Self-contained, simplified design. Vibrationless and noiseless. Can be installed anywhere without foundations or bolting.

HYDRAFOLDER... automatic small piece folder



Proved in Scores of Plants

Electronically controlled folder for hand towels, bath towels, pillow slips, or other pieces up to 24" x 48". Hand or direct feed from ironer. Folds at constant speed of 120 ft. per minute. Counts, stacks, ejects counted bundles of 10, 15, 25, 40 or 50 pieces. Cross-folds to 1/32" accuracy. Virtually jam-proof. Light weight aluminum construction; mobile.

HYDROBOT ... "Lo Boy" stainless steel washer



30% Greater Production

Economical to install and to operate. Even large diameter washer requires only 2" water line to prefill reserve tank during preceding operation. Full length patented dump valve provides 12" water level in 60" HYDROBOT in less than 10 seconds. May be used with central supply system for premixing chemicals and water. Available in sizes up to 60" x 120".

CROSS FOLDER...high production...cuts labor costs



Folds Faster . . . Saves One Girl

Simple design, rugged construction. Gives two cross folds to large flat work which has been folded transversely in a sheet folder. Enables ONE girl to handle 700-800 sheets per hour. Operator-controlled switch to remove unfolded or unsuitable articles. Automatic bypass provided for oversized items. Save time, labor and floorspace.

The HYDRAXTOR

Send for complete Information on these "JOB-TESTED" products . . .

OMPONY . 7415 N. ST. LOUIS AVE., SKOKIE, ILL.

331% SAVE

in Shirt Laundering Labor Costs

with TIME SAVERS EFFICIENCY SYSTEM

Here's How to REDUCE YOUR LABOR COSTS!

Fold-King IRT FOLDING TABLE

B-510 SHIRT SORTING UNIT

SHIRT PACKAGING MACHINE

Pak-Faster

3 TIER MOBILE 15 BIN SORTER FLOOR SPACE-51" x

26" x 72"

BINS-10" x 18" x 14" can be separated also for use as B-505 and B-510 CAT. NO. B-515

DO YOUR FOLDING, SORTING,

AND PACKING IN ONE AREA!

1 TIER 5 BIN 'Add-A-Unit' SORTER

FLOOR SPACE - 51" x 20" x 12" BINS - 10" x 18" x 14". Rests on any table or add to B-510 to make B-515. **CAT. NO. B-505**

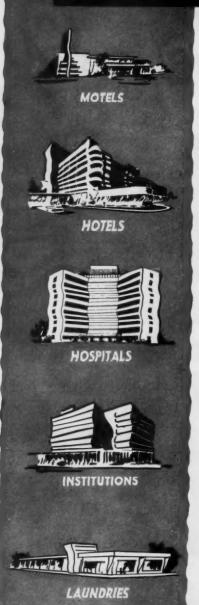
2 TIER MOBILE 10 BIN 'Add-A-Unit' SORTER FLOOR SPACE - 50" x 20" x 60" . BINS - 10" x 18" x 14"

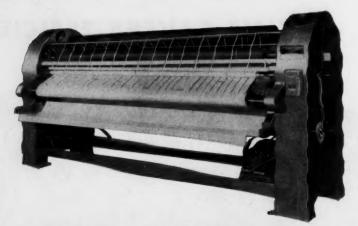
CAT. NO. B-510

TIME SAVERS, INC. 83-99 WALNUT STREET, MONTCLAIR, N. J.

*ORDER THRU

America's Most Complete Line of Flatwork Ironers





100 to 5000 lbs.

Whether you need an ironer for a new laundry operation or to replace an obsolete machine, it will pay you to get information and a quotation on a Chicago Ironer. Constructed by a firm which has specialized in flatwork ironers for over forty years, these ironers embody the newest developments in materials, textiles and mechanical components. They will produce top quality flatwork with minimum investment and operating costs. Their many advanced engineering features and modern streamlined design result in maximum production per square foot of floor space.

First in Flatwork Finishing

CHICAGO DRYER COMPANY

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Contact your machinery distributor or write for literature today

For Your Home Service Routes...

"Better Built" Efficient Top Value



New Minivan® Compact—Light-duty delivery body

Boyertown Delivery Truck Bodies



Model MH Merchandiser®

The Most Complete Line of Truck Body Models and Sizes to Meet Your Particular Delivery Needs!

SPECIFICATIONS

Body Model	Chassis	Cop.	L.) w.)	At Sides
5-6	Chassis with	184	78"	66"	62"
5-7	& Cowl of	213	90"	66"	62"
58-L	Your Choice	272	96"	74"	66"
M-6	€	184	78"	66"	62"
M-7	W 48 8	213	90"	66"	62"
M8-L	Forward	272	96"	74"	66"
мв-н	Control	296	96"	74"	72"
MIO-H	Chassis	370	120"	74"	72"
M12-H	of of	444	144"	74"	72"
MV-12	Your	575	144"	881/4"	78"
MV-14	2 Choice	671	168"	881/2"	78"
MV-16	reha	767	192"	881/2"	78"
MV-18	*	862	216"	881/2"	78"

Available to you in the Boyertown Family of standard truck bodies are the models with size and capacity to meet your particular delivery route needs. They are functionally designed and built for value conscious Buyers, discriminating Drivers for convenience and safety and for efficient Maintenance men for serviceability.

Boyertown truck bodies, built of All High Strength Alloy Steel providing more strength, having less weight and greater resistance to corrosion, having longer life, means top value equipment.

Route-service proven body features recognized by individual and fleet owners alike, include full square usable loadspace, easy access to load thru cab and rear doors, large cab working area, and body frame construction permitting an easy, firm installation of product handling equipment in the loadspace. Sectionalized body construction permits economical replacement of damaged parts by Owner's service shop or garage.

Whether you buy or lease your route trucks, your Boyertown sales representative is ready to help you select the "Better Built" delivery body to meet your needs.



Model "S" Step In Delivery Body



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BOTH TYPES OF MARKING MACHINES

1. FOR INDIVIDUAL IDENTIFICATION



National's famous line of selective type machines includes both hand and air or electric-power operated units. These machines range in sizes up to 19 selective type wheels with any combination of letters or numerals up to 19 characters. Using National's own PENETRO ink, these machines give you legible, indelible marking at its finest.

DR STANLEY

Actual Size—18 point type (15 and 24 point available)

2. FOR PROPERTY IDENTIFICATION



This combination of National's air-operated DI-MARK and THERMO-SET Machines absolutely guarantees an indelible mark for the life of the marked piece, Pieces are marked with National's famous RESISTO ink. The mark is then heat-set for lasting legibility. Manually operated die machines are also available. Dies are engineered to meet your specifications and can be furnished with removable inserts for selective marking.

For over 50 years, National has specialized in manufacturing a complete line of marking machines which are precision built for long, trouble-free operation. Write for complete information loday.

GENERAL HOSPITAL

REG

KITCHEN

SEPT-58

THE



MARKING MACHINE CO.

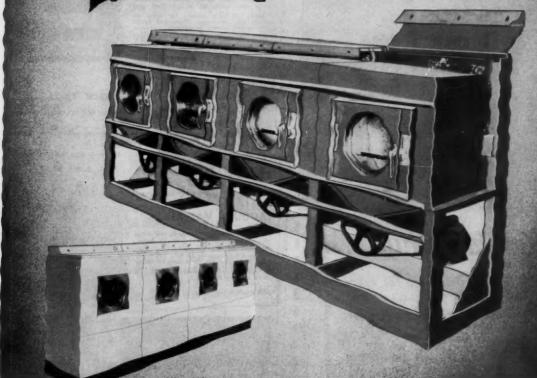
4026 CHERRY STREET . CINCINNATI 23, OHIO

"National Marking Machines and Conveyors are preferred by better plants the world over!"

"FANTABULOUS!"

the newest, most completely commercial 20-lb. washer-extractor in existence

4-IN-1 WASH CENTER



FANTABULOUS DESIGN

Four 20-lb, washers constructed on a single frame of welded steel girder. One-piece basket, Stainless steel wash cylinder. Extraction speed 555 rpm. Preferred tumble action wash with simplified controls. Safety door cannot be opened during operation.

FANTABULOUS SERVICING

ONE YEAR WARRANTY — Complete access from the front. Separate heavy duty extractor and wash motors. No transmission. No gear drive. No jack shaft. No solenoid-operated clutches. No lint traps. Timers are specially designed, micro-switch-operated and foolproof. Bearings mounted outboard, untouched by water. NO SEALS.

FANTABULOUS INSTALLATION

Built-in common drain. Completely piped and wired. No concrete slab needed. Flush mounting saves space and bulkhead construction. Less than 16 gallon water consumption!

FANTABULOUS SAVINGS

Imagine the manufacturing savings passed on to you in the shipping, overall simplicity and less complicated features of the world's first multiple coin-op wash center. Long-lasting commercial construction. Solid or multi-color on request. Private brand label available to quantity purchasers. This is a commercial product with a true resale value.

For complete information...

WRITE! WIRE! PHONE!

CLESCO

1844 WEST FLAGLER STREET MIAMI 35, FLORIDA FR 9-1671 TELETYPE MM 139 national, inc.

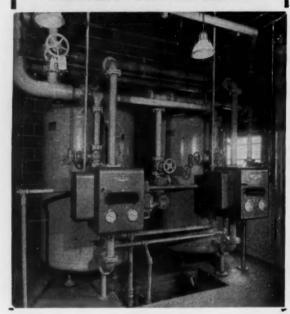
DESIGNERS DEVELOPERS

Contact Your Local Distributor

Distributor Inquiries Invited

MORE THAN 4,000 LAUNDRIES USE

INVERSAND ZEOLITE WATER SOFTENERS!



Here's Why

- Over 200 sizes—one for every flow and capacity
- Manual or automatic operation
- Single or multiple units
- Your selection of six different zeolites
- Unequalled field service
- Prices and terms to suit most budgets

* Suitable for both commercial and institutional laundries. Send for Bulletins giving full details-or ask to have Representative call without obligation. Specialists for 50 years in the economical over-hauling, rebuilding, and modernizing of all makes of water softeners.





Proven by Use Over 40 Years

Ask Your Distributor for

BOSTAG Marking Needs

Genuine PEERLESS BEACON TAGS

Zinc prongs are smooth-edged, tapered to enter and leave fabric without damage. Prongs are anchored, olways firm and straight, yet fully pliable for quick attaching and removing. Triple-fold 80x80 count cotton cloth, non-fraying—special easy writing finish for pen or machine marking. Also fibre. 5 sizes. White and Standard Colors.

Also HALF TAGS cut straight or naily. SINGLE STAPLE TAGS.





A B SOCK TAGS

Made so water or cleaning fluid can wash in and out of tags. All metal edges durably covered with strong cotton cloth with easy writing surface. 80x80 count cotton cloth.

AB No. 1-Size %" x %" AB No. 2-Size 1" x 3/4"

BOSTAG TAGGING MACHINES

Save time, labor and money by attaching tags to garments faster than by hand. Machines operate simply, easily. Two machines for attaching AB Nos. 1-2 Tags; Four machines for attaching Peerless Beacon Nes. 1-2-3-4 Tags. (No. 4 Machine used for Half 5's.)

(AB Machine Not Pictured)



NON X L TAGS

For heavy work use this open type tog with large prongs. Pliable for quick attaching and removing. Easy marking surface. In all standard col-ors—one size only. 80x80 count cotton cloth.

- · Korola CUFF FAST-ENERS temporarily fas-ten French cuffs. Smooth stiff paper supported by steel wire; cannot injure buttonhole.
- ACE of SPADES INK Indelible, intense jet black, high quality.
- ACE of HEARTS INK Indelible, brilliant red, high quality.
- REDUX Indelible Ink Remover.
- TAG-A-DAY TAGS with or without prongs; plain or printed with days.
- . HUB PERFORATING TAGS Indestructible — not affected by soaps, acids, boiling dye, etc.
- EZ-OFF Press and Iron Cleaners.



Write for Descriptive Detailed Circular

BOSTON CLIP & TAG COMPANY

411 Fully Guaranteed

48 Grove Street, Somerville 44, Mass.

BOOSTED OUTPUT 9.8%. "We reduced re-runs to an absolute minimum after we installed Sarco Thermo-Dynamic Steam Traps on our 6-roll flatwork ironers. Now no sheets come out damp, our output on finished flatwork has increased 9.8%, and damage claims are zero." Peter Gruchawka, Plant Engineer, Pilgrim Laundry, Brooklyn, N. Y.

TD-50 steam trap performance as seen by 7 SARCO customers

SPEEDS UP TOWEL DRYERS 15-20 MINUTES PER LOAD. "We installed Sarco TD-50 Steam Traps on two 36-inch Zone Air Drying Tumblers, and a 2-roll Streamline Flatwork Ironer. We stopped steam blow-through, raised heat level to efficient operating temperature and now we put a load of towels through in 15 to 20 minutes less time." Paul Gillesse, Engineer, Y. M. C. A. laundry, Grand Rapids, Mich.

QUALITY OUTPUT OF FLATWORK IRONER UP 10%. "Before ininstalling Sarco TD Steam Traps we had considerable wet work and rolling. Sometimes we had to slow up the machine to bring up quality. I estimate our quality production has now been increased approximately 10%." Z. B. Stone, in charge of laundry, Fort Belvoir, Virginia.

EVERY CUSTOMER ENTHUSIASTIC. "I've been installing Sarco Thermo-Dynamic steam traps for years and I have never seen more enthusiastic response to a product by my customers. We install TD's to replace other traps on ironers, dryers, puffers and other equipment and my customers say their output increase amazes them. What's more, the TD's work without any maintenance." S. Spitzer, Laundry Machinery Sales and Service Co., Brooklyn, N. Y.

FINE SEASONAL SUMMER BUSINESS REQUIRES BEST POSSIBLE PRODUCTION ON IRONER. "We've just had our flatwork ironer overhauled and adjusted. Our maintenance man recommended Sarco Steam Traps very highly. We have very good summer seasonal laundry business and must get best possible quality and production. Please enter our order for 6 Sarco Steam Traps for 1/2" steam line." Hoffman Drycleaners and Laundry, Berlin, Maryland.

ORDERED TD-50 ON TRIAL BASIS, NOW PLACES ORDER. **We have found that your Sarco Thermo Dynamic Steam Trap is the best that we have ever used. We ordered this trap on a trial basis and it is giving wonderful, trouble-free service. Also we found it easy to install. Please enter our order for 2 %" TD-50's and 2 %" SB Strainers." John M. Firestone, Montpelier City Laundry.

PLANT NOW TRAP-TROUBLE FREE. "Please quote me your price on three %" Sarco TD Steam Traps. I started installing your traps about 3 years ago and my plant is now trap-trouble free. Your TD-50's are wonderful." Laundry, writing in response to a direct mail booklet.

How to get a 60-Day FREE TRIAL of SARCO Thermo-Dynamic Steam Trap, Type TD-50

Contact your Sarco representative or write us direct and obtain a 3/8" Sarco TD-50 Steam Trap and Strainer for a 60-day no-obligation trial. You buy the Sarco TD-50 and strainer only if completely satisfied.









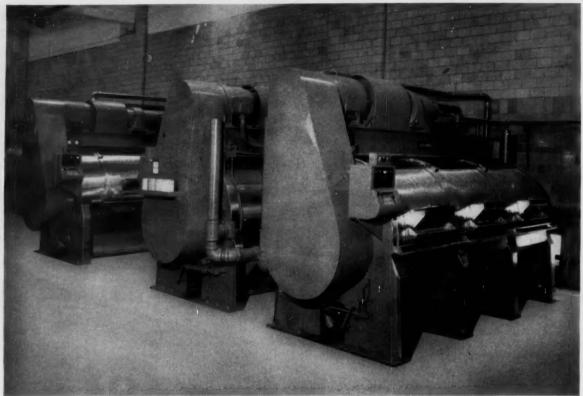
Sarco TD-50 Steam Trap is self-adjusting — only one large capacity seat for each size.

NOW . . . YOU CAN STANDARDIZE! ¾" TD-50 is large enough for most every laundry application.

SARCO

SARCO COMPANY, INC .
635 MADISON AVENUE, NEW YORK 22 N Y
PLANT BETHLEHEM, PA

STEAM TRAPS . TEMPERATURE CONTROLLERS STRAINERS . HEATING SPECIALTIES



Hershey Laundry cuts labor costs 50% with WASHEX

It's a fact! By replacing their conventional washers and extractors with three 600 pound WASHEX Machines, Hershey Laundry* has cut labor cost 50%, yet produces more work in fewer hours.

...reports Mr. T. R. Banks, Vice President of Hershey Estates, "We now confirm the wisdom of our decision to modernize our washroom with Washex laundry washex-extractors. In addition to the labor savings, we have realized sizeable savings in time and costs for water and utilities from the shorter Washex formulas. Each man now handles two to three times more volume than before, yet the reduced effort and improved working conditions have boosted the morale of our help."

Yes, you too can realize money-saving benefits from WASHEX laundry washer-extractors! Write for brochure SB-141. No obligation, of course!

WASHEX WASHER-EXTRACTORS are available in capacities from 350-600 pounds.



WASHER - EXTRACTORS

Large doors and easy, slide-out unloading are exclusive features of WASHEX machines.

*Hershey Laundry handles hospital and hotel linens, industrial uniforms, and family work.

WASHEX MACHINERY CORPORATION

• 192 BANKER STREET, BROOKLYN 22, N. Y.

Hang up real savings with thrifty "SCOTCH" BRAND Tapes!



SINGLE STRIP of "SCOTCH" BRAND Cellohane Tape does three jobs: holds ticket, pale to the seals package, forms carrying handle. A real time and money saver!



ONE PENNY'S WORTH of this thrifty cellophane tape attaches 23 job tickets. And tape won't snag garment or stick fingers. Mends or seals film bags, too.



MARK FLAWS or spots with "SCOTCH"
BRAND No. 246 colored tape (different colors can code different types of stains). Saves reworking, speeds jobs, improves profits.



STRIPS of "SCOTCH" BRAND Double-Coated Tape hold slippery garments on hangers. Saves casualties on delivery, costs only a fraction of a penny.



BRUSH OFF LINT, hair, or threads quickly with a wide strip of "SCOTCH" BRAND Masking Tape wrapped around the hand, sticky side out. Cuts labor time, cuts costs.



STOP COSTLY MIX-UPS — band hangers together with No. 246 colored tape (about 1/20th of a penny's worth). Makes carrying easier, too. Colored tape can also flag "special attention" orders.





MINNESOTA
MINING AND
MANUFACTURING COMPANY

... WHERE RESEARCH IS THE KEY TO TOMORROW



How well you do this man's collar—and his entire shirt—may well determine if you can "collar" him as a permanent customer. Men on the go in business today realize it takes a well laundered shirt to add the final touch to a well groomed look. That's why so many professional laundries and cleaners are putting their reliance in Huron wheat starches—either Instant Starch or Velvet Rainbow®

to assure top-quality results.

The same high quality standards you expect from Velvet Rainbow are also available in Huron Instant Starch, a product that requires no mixing because it is added directly to the wheel in powdered form. H.I.S.* or Velvet Rainbow—specify either of these fine Huron wheat starches and you're specifying the best.

The name of your nearest distributor of economical Huron® commercial starches is available from Hercules.

Huron Milling Division, Virginia Cellulose Department

HERCULES POWDER COMPANY

INCORPORATED

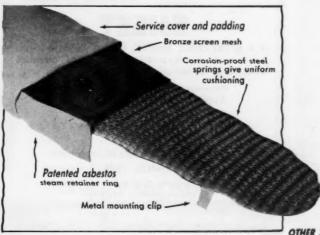
Hercules Tower, 910 Market Street, Wilmington 99, Del.





Boosts your production by eliminating the need for daily re-stringing and changing of tapes, Heat-proof. Finishing is finer because rolls can be set for correct contact pressure —no worry about string breakage . . . no marks on work—no wrinkling or cutting of covers. Quickly and easily installed—a must for the modern laundry.

ZEIDLER "Perma-Pad"



No need for repeated pressure adjustments! Top covers last 30% longer! This exclusive design, steel spring cushion can be applied to any standard chest type flatwork ironer roll - regardless of make or size. Patented construction, with thousands of independently acting springs to cushion without gaps, without packing down. In use in thousands of key laundries for as long as 5 to 10

The "Perma-Pad" is your newest time and worksaver from Zeidler-a spring cushioning guaranteed* for the life of your drycleaning press, under normal operating conditions. Think of it! No more time wasted on replacing other types of paddings! Easily installed, the "Perma-Pad" can be padded with minimum material and covered with any style of service cover. Now available for most utility model dry cleaning presses. Economically priced-write for complete details.

Write for samples and contact your local jobber.

OTHER ZEIDLER PRODUCTS INCLUDE Spring Cushions for Floor Rolls; Spring Pads for Laundry Presses (including cabinet type); and "Sur-Drive" Feed Ribbon Kit.

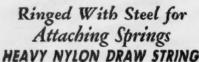
ZEIDLER MANUFACTURING COMPANY, INC. MAMARONECK, N. Y.

Bulldog



KOMBI® PRESSING UNIT

You get the finest of heat cured foam rubber, Virgin fiberglass insulation and a tough, durable, long lasting U. S. Royal Asbestall cover COMBINED in this newest Bulldog pressing unit . . . for less than the cost of ordinary cotton pads and cover. No lumps, no bumps, no hard spots, Bulldog KOMBI is On in Minutes-It Lasts for Months!



We've drawn upon our years of experience manufacturing top quality pressing pads to develop this new KOMBI unit. Intensive research and months of practical use prove it to be all that could be asked for ideal pressing conditions and quality production. Ask your jobber or write us for further information on this fully guaranteed unit.



S. SMITH, INC. BANK . NEW



LEADER

NET PINS MARKING PINS BLANKET PINS SAFETY PINS STRAIGHT PINS

- · Coiled or Coil-less
- Brass, Stainless, Brass Finish
- "Brass-Stainless" Combination
- Sizes 11/2-inch to 51/2-inch
- Sharp or Slenderized Ball Point
- Plain, Numbers, Letters, Special &

PIN CARRIERS - Brass or Canvas COLOR-CODED FLAG MARKERS

> PIN SET TRANSPORTS PIN STRAIGHTENERS

> > Ask Your Jobber or Write For Catalog



110 14th Street Battle Creek, Mich.

Mark RECORD

is a great check against inaccurate marking. Records the marks used in all bundles; permits location of lot for all marks.

> Prevents duplication of marks; Avoids mixup of garments; Aids and simplifies sorting; Used in any marking system; Precludes thievery.

Used for years by hundreds of laundries

SAMPLES FREE

(All shipments, C.O.D. unless check accompanies order)

5,000 or more, per thousand \$6.50

466 Lexington Ave., New York 17, N.Y.

FOR DEPENDABILITY...QUALITY ... ECONOMY...

Specify DARNELL casters: wheels



Darnell Casters Feature a

Double Ball-Bearing Swivel

for Efficient Operation . . .

... and will continue to protect your floors and equipment long after ordinary casters would have been consigned to the junk heap.

RUBBER TREADS . . . a wide choice of treads suited to all types of floors, including Darnelloprene oil, water and chemical-resistant treads, make Darnell Casters and Wheels highly adapted to rough usage.

RUST-PROOFED . . . by zinc plating, Darnell Casters give longer, care-free life wherever water, steam and corroding chemicals are freely used,

STRING GUARDS ... Even though string and ravelling may wind around the hub, these string guards insure easy rolling at all times.

LUBRICATION ... all swivel and wheel bearings are factory packed with a high quality grease that "stands up" under attack by heat and water. Zerk fittings are provided for quick grease-gun lubrication.

ASK FOR FREE MANUAL

DARNELL CORPORATION, LTD.

DOWNEY (Los Angeles County) CALIF. 37-28 SIXTY-FIRST, WOODSIDE 77, L.I., N.Y. 36 NORTH CLINTON ST., CHICAGO 6, ILL. 1000 PEACHTREE N. E., ATLANTA, GA.



That means an ironer down, workers idle; money lost.

Let's face it . . . you let it happen.

the sheets are BUNCHING!

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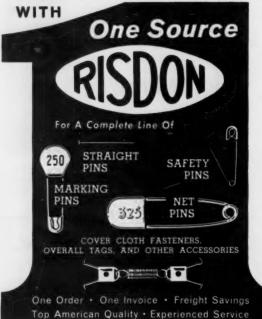
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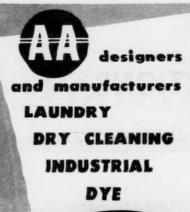
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DIRECTORY SECTIONS

of the guidebook for the laundry industry

CLASSIFIED DIRECTORY . . . PAGE 165

For ready reference to any or all manufacturers of laundry products turn to the alphabetical listing of supplies and equipment. In most instances products are listed under the noun—that is, "Starch, Corn" rather than "Corn Starch." This arrangement is followed consistently except where common usage has joined the two words; for instance, "Puff Irons" rather than "Irons, Puff." Although listings are planned to yield the desired heading immediately, the directory is thoroughly cross-indexed. Display advertisers are listed in bold face type. For further information and page numbers of their ads see Advertisers in This Issue, page 318.

TRADE NAMES . . .

PAGE 231

This alphabetical list will be of continuing value to the laundryowner who wishes to identify the manufacturers of the industry's trade name products.

MANUFACTURERS . . . PAGE 262

Listed alphabetically here are laundry equipment and supply manufacturers together with their locations. Having found a firm name in either of the directories described above, use this list to determine where to address your correspondence.

BUYERS' GUIDE . . . PAGE 272 This geographical breakdown provides complete buying information. Here you will find the jobbers or the branch offices serving your community. On the basis of the information we have received, firm names followed by (E) are jobbers for equipment, firm names followed by (S) are jobbers for supplies, and firm names followed by (E & S) are jobbers for both equipment and supplies. Bold face type denotes display advertisers. Index to Advertisers, page 318, will provide the page number where you can obtain a complete description of their products.

Every effort is made to insure the completeness and accuracy of the following directory sections. However, this information is published as a service, and no guarantee against errors or omissions is expressed or implied. Additions or corrections are invited at any time. Please address the publisher.

Classified Directory

manufacturers of equipment and supplies used in the laundry industry . . .

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ACID-RESISTING HARD RUBBER FITTINGS

See: Fittings, Acid-Resisting, Hard Rubber

ACID-RESISTING PAINT

See Pain

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See: Tanks, Acid-Resisting

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AUTOMATIC COUNTERS

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AUTOMATIC SCALES See: Scales

AUTOMATIC TIMERS

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Mational Marking Machine Co.
New London Engineering Co.
Rapids-Standard Co., Inc. Silver Streak Conveyor Sales Co. Speed Check Co., Inc. Stephens-Adamson Mfg. Co.

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Link-Belt Co.
Stational Marking Machine Co.
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Silver Streak Conveyor Sales Co. Speed Check Co., Inc.
Time Bavers, Inc.
White Machine Co., Inc.

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Flow-Master Machine Corp. Hirsch, Sydney L., Co.
Martin Equipment Co., Div. American Laundry
Machinery Co.
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See: Carts, Garment

COOKERS, MUCK

See: Muck Cookers

COOKERS, STARCH

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Miller Laundry Machinery Co.
Troy Laundry Machinery Div., American
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Little Angliance Corp. Utility Appliance Corp. Vie Mig. Co. Whitlock Mig. Co. Young Radiator Co

COOLERS, SOLVENT

See: Solvent Coolers

COOLING UNITS, FUR VAULT

See: Refrigeration, Mechanical

COPPER AND BRASS

Chase Brass & Copper Co.

COPPER TUBING

See: Tubing, Copper

CORD, IRONER See: Ironer Cord

CORN STARCH

See: Starch, Corn

COTTON BAGS

See: Bags (under specific headings)

COTTON NETS

See: Nets, Laundry

COTTON PADDING

See: Pads and Padding, Press and Irones

COTTON THREAD

See: Thread

COTTON UNIFORMS

See: Uniforms, Cotton, Woolen, Worsted, etc.

COUNTER BACKS

See: Racks, Garment

COUNTERS, AUTOMATIC

Cummings-Landau Laundry Machinery Co., Inc. innacle Products Corp.

COUNTING DEVICES

Cummings-Landau Laundry Machinery

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Multi-Counter Mig. Co.
New York Pressing Machinery Corp. Photoswitch, Inc. Stry-Lenkoff Co. Veeder-Root Co.

COVER CLOTH

See: Cloth, Cover

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Time Savers, Inc.
Time Savers, Inc.
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Whitehouse Bylon Froduots
Zeidler Mfg. Co., Inc. inery Corp.

COVERS, BAR

See: Hanger Shields and Guards

COVERS, BUTTON AND BUCKLE

Connors, P. A., Co. Patek & Co. Prym, William In-Risdon Mig. Co. Saf-A-Products, Inc. Zimmerman Product

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COVERS, DUCK PRESS

COVERS, MOLESKIN PRESS

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See: Washer Cylinders, Metal

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(Continued on next page)

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Electrochemicals Dept.
Huntington isaloratories, Inc.
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Matter Mig. Co.,
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Standard Soap Co., Div. Concord Chemical Co.,
Inc. Inc.

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StartGer Chemical Co.
StartGer Chemical Co.
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Universal Solvent Co.
Universal Solvent Co. Warso Laborstories, Inc.
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Wilson, A. L., Chemical Co.

Wye Industries

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General Electric Co., Air Conditioning Dept.
Haertel, Walter, Co.
Perticetting Service Co.
Reliable Machine Works, Inc.
Sirotta, Bernard, Co.
Solvay Process Div., Allied Chemical Corp.
Trane Co.
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DE-HUMIDIFIERS, AIR

See: De-Humidifiers

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Caled Products Co., Inc. Aroscent, Inc.
Bailey, Pribods & Co.
Caled Products Co., Inc.
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Coatal Chemical Corp.
Coatal Chemical Corp.
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Friend Soap Co.
Hutchinson Products Co.
Keenco Chemical Co., Inc.
Keystone Chemical Co.
Lincoln Research, Inc.
Lustrol Dryeleaning Products Co.
Mead, George Ec., Co.
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Mead, George Ec., Co.
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Oakite Products, Inc.
Olia Mathleson Chemical Corp.
Riverside Chemical Co., Inc.
Solvay Process Div., Allied Chemical Co.
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Stearins, George, Chemical & Mfg. Co.
Sterwin Chemical To.
Talio Industries, Inc.
Thompson-Hayward Chemical Co.
Wyandotte Chemicals Gorp.,
J. B. Ford Div.
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DEODORIZERS, SOLVENT

Caled Products Co., Inc. Davies-Young Soap Co. Le Fevre Chemical Co. Port Huron Detergent Co., Inc.

DEODORIZING CABINETS

See: Cabinets, Deodorising and Drying

DEODORIZING MACHINES

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Eaton Chemical & Dyestuff Co.
Gross Machinery Co., Inc.
Hoffman International Inc.
Hopkins Equipment Co.
Keystone Seent Conditioning Corp.
Martin Equipment Co., Div. American Laundry
Machinery Co.
Mitchell, J. B., Co.
UniMac Co.

DEPOSITORIES, COIN OPERATED See: Coin Operated Depe

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Mast Brewing Co., Industrial Products Div.

Riverside Mig. Co.

Starr Chemical Co., Inc.,

Street, R. R., & Co., Inc.

Tabl Industries, Inc.,

Wallerstein Co., Inc., Div. Baxter Laboratories,

Inc., Inc., Div. Baxter Laboratories,

Inc., Inc., Div. Baxter Laboratories,

Inc., Inc., Div., Baxter Laboratories,

Inc., Div., Baxter Laboratories,

Inc., Div., Baxter Laboratories,

Inc., Div., Div., Div., Baxter Laboratories,

Inc., Div., Div Inc West Side Corp.

DETERGENTS, DRYCLEANING, CHARGED TYPE

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Anseott Dry Cleaning Products, Inc.
Aurora Mig. Corp.
Bomar Laboratories Ltd.
Caled Products Co., Inc.
Concord Chemical Co., Inc. Cravenette Co., U.S.A. Davies-Young Soap Co. Dixo Co Drew, E. F., & Co., Inc.
Eaton Chemical & Dyestuff Co.
Edelmuth Mig. Chemists
Emery Industries, Inc., Sanitone Div. Hope Chemical Corp. Huntington Laboratories, Inc. Kaleen Chemical Corp. Kenco Chemical Co., Inc. Keystone Aniline & Chemical Co. Keystone Chemical Co. Krasan Products, Inc. Arssan Froquets, Inc.
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Calusa Chemical Co.,
Cidex Corp.
Coastal Chemical Corp.
Concord Chemical Co., Inc.
Cravenette Co., U.S.A.
Davies-Young Soap Co. Davis-Weil Mfg. Co. Delan Co. Dello Products Co. Diamond Alkali Co. Diamond Chemical Co., Inc. Dixo Co., Inc. Drew, E. F., & Co., Inc. Eaton Chemical & Dyestuff Co. Edelmuth Mig. Chemists General Dyestuff Corp. Gliss'n Products Co. Inc. Hope Chemical Corp. nupe Chemical Corp.

Huntington Laboratories, Inc.
Kaleen Chemical Corp.
Keneo Chemical Co., Inc.
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Kresen Products, Inc.
Lincoln Research, Inc.
Lustrol Drycleaning Products Co.
Marclene Chemical Corp.
Merson Products Co. Le.
Marchan Chemical Corp.
Merson Products Co. Le. Marelene Chemical Corp.
Merson Products Co., Inc.
National Chemical Salas Co., Inc.
National Cleaners Chemical Mig. Co.
Nu-Pro Mig. Co.
O. D. Chemical Co., Inc.
Package Chemical Co., Inc.
Patek & Co.
Riverside Mig. Co.
Signal Chemical Mig. Co., Inc.
Spix Products Co.
Stamford Chemical Co. Stamford Chemical Co. Standard Soap Co., Div. Concord Chemical Co., Inc. Sta-Ny Corp. Starr Chemical Co., Inc. Stearras, George, Chemical & Mig. Co. Street, R. R., & Co., Inc. Tower Chemicals, Inc. Wye Industries

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Anaectic Dry Cleaning Products, Inc.
Apex Chemical Co., Inc.
Armour & Co., Industrial Soap Div.
Atlas Powder Co.
Aurora Mrg. Corp.
Automatic Service & Supply Co., Inc. Automatic Service & Supply Co., in Automatic Enterprises, Inc. Benda Products, Inc. Benda Products I.d. C & C Manufacturers & Distributors, Inc. Caled Products Co., Inc. Carlton Chemical Co., Inc. Certified Chemical & Equipment Co. Coastal Chemical Corp.
Colgate-Palmolive Co.
Concord Chemical Co., Inc.
Cowles Chemical Co. Concord Chemical Co., Inc.
Cowles Chemical Co.
Cowles Chemical Co.
Cravenette Co., U.S.A.
Davis-Weil Mig. Co.
Diamond Altali Co.
Diamond Altali Co.
Diamond Chemical Co., Inc.
Dixo Co., Inc.
Dixo Co., Inc.
Dixo Co., Inc.
Eaton Chemical & Dyestuff Co.
Eeton Chemical & Dyestuff Co.
Eeton Chemical & Dyestuff Co.
General Dyestuff Corp.
Gliss'n Products Co., Inc.
Hercules Powder Co., Inc.
Hercules Powder Co., Inc.
Hercules Powder Co., Inc.
Hercules Powder Co., Inc.
Hope Chemical Corp.
Huntington Laboratories, Inc.
Jay-Des, Inc., Mig. Chemists
Keever Starch Co., Inc.
Keystone Aniline & Chemista Co.
Keystone Chemical Co.
Keystone Chemical Co.
Lestoil Products, Inc.
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Lever Bros. Co.
Levis National Corp.
Lever Bros. Co.
Levis National Corp.
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Lever Bros Patek & Co.
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Pennsalt Chemicals Cuarts Co.
Port Huron Detergent Co., Inc.
Procter & Gamble Distributing Co.
Riverside Mig. Co.
Rumford Chemical Works
Sandos Chemical Works, Inc.
Schundler, F. E. & Co. Inc.
Signal Chemical Mig. Co., Inc.
Signal Chemical Mig. Co., Inc.
Speare Go.

Speare Co., Inc., Standard Co., Inc., Standard Soap Co., Div., Concord Chemical Co., Stanus Corp.
Sta-Nu Corp.
Star-Chemical Co., Inc.
Starron, George. Chemical & Mfg. Co.
Street, R. R., & Co., Inc.
Switt & Co., General Soap Dept.
Table Industries, Inc.
Thompson-Hayward Chemical Co.
Thomson Chemical Co. Thomson Chemical Co. Tower Chemicals, Inc. Warco Laboratories, Inc. West Side Corp.
Wilson, A. L., Chemical Co.
Wyandotte Chemicals Corp.,
J. B. Ford Div.

Wye Industries Zel-Tex Co., Inc.

DETERGENTS, SYNTHETIC

See: Synthetic Detergent

DIAPER BAGS See: Bags, Diaper

DIAPER CAN DEODORANTS

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Huntington Laboratories, Inc.
Keystone Chemical Co.
Sani-Top Co.
Talb Industries, Inc. wer Chemicals, Inc. in Chemical Co. Yyandotte Chemicals Corp., J. B. Pord Wyan Div.

DIAPER CANS

Aurora Mfg. Corp. lani-Top Co.

DIAPER COUNTERS

See: Counters, Automatic

DIAPERS

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See: Engines, Diesel

DIESEL GENERATORS

See: Generators, Electric

DIESEL TRUCKS

See: Trucks, Industrial

DIGESTING TANKS

Al Tash Dye Works

Hopking Equipment Co.

Leader Iron Works

Street, R. R., & Co., Inc.

Wallerstein Co., Inc., Div. Baxter Laboratories.

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Talb Industries, Inc. Inc., Div. Baxter Laboratories, Wilson, A. L., Chemical Co.

DIPPERS, DYE

Bishop Preeman Co.

DIP TANKS

See: Water-Repellent Dip Tanks

DISCS, VALVE (REPLACEMENTS)

See: Valve Discs

DISHTOWEL REPLACEMENTS

See: Replacements, Sheets, Pillowcases, etc.

DISINFECTANTS

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Davise-Young Soap Co.
Davis Weil Mig. Co.
Dow Chemical Co., The
Hercules Powder Co.
Huntington Laboratories, Inc.
Hutchinson Products Co.
Jay-Dee, Inc., Mig. Chemists
Keneo Chemical Co., Inc.
Keyatone Chemical Co., Inc.
National Chemical Co.
Lincoln Research, Inc.
National Chemical Sales Co., Inc.
Oakite Products, Inc.
Olin Mathieson Chemical Corp., Industrial
Chemicals Div.
Patek & Co. Patek & Co. Pennsalt Chemicals Corp.

Riverside Chemical Co., Inc. Sani-Top Co. Signal Chemical Mfg. Co., Inc. Standard Soap Co., Div. Concord Chemical Co., Inc. inc.
Stearns, George, Chemical & Mig. Co.
Steavin Chemicals, Inc.
Talb Industries, Inc.
Thompson-Hayward Chemical Co.
Tower Chemicals, Inc.
Universal Solvent Co.
Van Chemical Co. Wyandotte Chemicals Corp., J. B. Pord Div.

DISPENSERS, FILTER-POWDER

See: Filter-Powder Dispensers

DISPENSERS, GUMMED TAPE

See: Tape Dispensers, Gummed

DISPENSERS, SOAP

Abso-Clean Chemical Adeo, Inc. Ardmor Chemical Co. Artinior Chemical Co. C & C Manufacturers & Distributors, Inc.
Dixo Co., Inc.
General Equipment Co.
Huntington Laboratories, Inc.
National Chemical Sales Co., Inc.
Fackage Chemical Co.
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DISPENSERS, TOILET SEAT COVERS

See: Toilet Seat Cover Dispensers

DISPENSERS, TOILET TISSUE

See: Toilet Tissue Dispensers

DISPLAY CASES

Time Savers, Inc.

DOLLIES

Anderson Box & Basket Co., Inc. Bernard-Franklin Co., Inc. Bond Foundry & Machine Co. Bond Foundry & Machine Co. Colison Corp. Fairbanks Co. Hamilton Caster & Mig. Co. Kentucky Box & Truck Co. Leebaw Mig. Co. Leevin-Shepard Products, Inc. Magline, Inc. Steele Canvas Basket Co., Inc. Young, Paul O., Co.

DOORS, OVERHEAD AND ELECTRIC

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DRAFT CONTROLS

See: Controls and Regulators (under specific headings)

DRAFT GAUGES

Bristol Co. Canton Stoker Corp. Defender Instrument & Regulator Co. Dwyser, F. W., Mfg. Co. Haya Corp. Republic Flow Meters Co.

DRAFT REGULATORS

See: Controls and Regulators (under specific headings)

DRAIN TRAPS

See: Traps, Drain

DRAPERY FINISHING OR FOLDING MACHINES

See: Steam-Air Finishers, Drapery, or Stretchers, Curtain and Drapery

BOLD TYPE LISTINGS

DRAPERY HANGERS

See: Hangers, Curtain and Drapery

DRAPERY HOOK PROTECTORS

Anderson Specialty Mfg. Co. Tagit Co. Zimmerman Products

DRESSINGS, BELT

Cornell Belting Co.
Graton & Knight Co.
Heller, B., & Co.
Philladelphia Belting Co.
Riverside Chemical Co.
Standard Oil Co.
Victor Balata & Textile Belting Co.
Webb Belting & Supply Co.
Williams, I. B. & Sons

DRESSINGS, SUEDE

Caled Products Co., Inc.
Cravenette Co., U. S. A.
Davies-Young Soap Co.
Dyo Chemical Co.
Eaton Chemical & Dyestuff Co.
Huntington Laboratories, Inc.
Keystone Aniline & Chemical Co.
Kirk's Leather Cleaners
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.
Oakite Products, Inc.
Patek & Co.
Riverside Mfg. Co.

DRESS-SHIRT BAGS

See: Bags, Dress-Shirt

DRIERS, GARMENT, HOT-AIR

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Cissell, W. M., Mfg. Co., Inc.
Clesco Mational, Inc.
Cook Machinery Co., Inc.
Devilbies (Canada) Lid.
Glover, Bill, Inc.
Gross Machinery Co., Inc.
Hoffman International Inc.
Hopkins Equipment Co.
Hoyt Mfg. Corp.
Muebsch Originators
Lamson Corp.
Ludell Mfg. Co.
Martin Equipment Co., Piv. American Laundry
Machinery Co.
Marvel Mfg. Co.
National Dryer Mfg. Co.
Troy Laundry Machinery Div., American
Machine & Metals, Inc.

Vic Mfg. Co. DRIERS, HAT

See: Hatter's Equipment

DRIERS, HOSIERY AND SOCK

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DRIERS, LAUNDRY

See: Tumblers, Laundry

DRIERS, RUG AND CARPET

See: Rug and Carpet Driers

DRIERS, WINDWHIP

Cissell, W. M., Mfg. Co., Inc. Glover, Bill, Inc. Hopkins Equipment Co Knebsch Originators

DRIERS, WOOL AND CURTAIN

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Park'N Clean
Sayve Corp. of America
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DRUMS, FUR CLEANING
See: Fur Cleaning Equipment

DRYCLEANERS' BAGS
See: Bags, Drycleaners'

DRYCLEANING BRUSHES

DRYCLEANING DETERGENTS,

CHARGE TYPE

See: Detergents, Drycleaning, Charged Type

DRYCLEANING EXTRACTORS See: Extractors, Drycleaning

DRYCLEANING PRESSES

See: Presses, Drycleaning, Manually Operated, or Presses, Drycleaning, Power Operated

DRYCLEANING SOAPS

See: Soaps, Drycleaning

DRYCLEANING SOLVENTS, SYNTHETIC

See: Solvent, Chlorinated (Synthetis)

DRYCLEANING SYSTEMS, PETROLEUM SOLVENT

PETROLEUM SOLVENT

American Cleaners Equipment Co., Div. American
Laundry Machinery Co.
Anscott Dry Cleaning Products, Inc.
Carter Machinery Co.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Hoffman International Inc.
Kling "100" Corp.
Mantowoc Engineering Corp.
Martin Equipment Co., Div. American Laundry
Machinery Co.
Marvel Mig. Co.
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FINISHERS, GARMENT

See: Presses, Steam-Air Finishers, Steam Boards (under specific headings)

FINISHERS, SHIRT

See: Presses, Steam-Air Finishers, Steam Boards (under specific headings)

FINISHERS, SLEEVE

See: Sleeve Finishers

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Coastal Chemical Co.
DuPont de Nemours, E. I., & Co., Inc.
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DuPont de Nemours, E. I., & Co., Inc.
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FINISHING AND FOLDING MACHINES, SHIRT

See: Shirt Finishing and Folding Machines

FINISHING COMPOUNDS

See: Sizing and Finishing Compounds

FIRE EXTINGUISHERS

See: Extinguishers, Pire

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Identification, Inc.
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Lally, R., Co.

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Pittsburgh Tag Co.
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Hope Chemical Corp.
Huntington Laboratories, Inc.
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Namoo Chemical Corp.
National Textile Conservation Co., Div. Research Laboratories
Patek & Co.
Per-Mo Products Co.
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Starr Chemical Mig. Co., Inc.
Starr Chemical Mig. Co., Talb Industries, Inc.

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FLANNEL, DOUBLE-FACE
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Buroott Mills, Inc.
Carson Textile Co
Egan Cotton Mills, Inc.
Carson Textile Co
Egan Cotton Mills, Inc.
Glbrattar Fabrics, Inc.
Hettrick Mfg. Co.
Iseim-Jefferson Co., Inc.
Laily, R., Co.
Nashua Textile Co., Inc.
New York Pressing Machinery Corp.
Patek & Co.
Pittsburgh Waterproof Co.
Quality Products Co.
Rubin, E. L., Mfg. Co.
Southern Mills, Inc.
Stanley, John T., Co., Inc.
Stanley, John T., Co., Inc.
Sterling Supply Corp.
Tingue, Brown & Co.
Toptex Corp.
West Side Corp.
Whitehouse Mylon Products
Zellermayer Supply Corp. Zellermayer Supply Corp. Zuckerberg Co.

FLATWORK IRONER, BUNDLE-SEPARATING DEVICE

Bonn, F. H., Co. Lally, R., Co. Norman Control Co., Inc. Rosenthal Mfg. Co. Toptex Corp.

FLATWORK IRONER CANOPIES

American Laundry Machinery Co.
Chicago Dryer Co.
Ellis Drier Co.
Rosenthal Mig. Co.
Super Laundry Machinery Co.
Troy Laundry Machinery Div., American
Machine & Metals, Inc.

FLATWORK IRONER FEEDER RACKS

American Laundry Machinery Co. Atlas Steel Products, Inc.

Lane, W. T., & Bros., Inc. Massolla Spiroll Sales Corp. Norman Control Co., Inc. Troy Laundry Machinery Div., American Machine & Metals, Inc.

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Cummings-Landau Laundry Machinery
Co., Inc.
Hoffman International Inc.
Pinnacle Products Corp.
Super Laundry Machinery Co.
Troy Laundry Machinery Div., American
Machine & Metals, Inc.

FLATWORK IRONERS

See: Ironers, Flatwork

FLATWORK IRONER STACKERS

American Laundry Machinery Co. Troy Laundry Machinery Div., American Machine & Metals, Inc.

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Patek & Co.
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Patek & Co.
Smith, K. S., Inc.
Southern Mills, Inc.
Stadham Co., Inc.
Sterling Supply Corp.
Tingue, Brown & Co.
Toptex Corp.
Whitehouse Nylon Products
Zeidler Mfg. Co., Inc.

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Co., Inc.
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Super Laundry Machinery Co.
Troy Laundry Machinery Div., American
Machine & Metals, Inc.
Zeidler Mfg. Co., Inc.

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Cummings Landau Laundry Machinery
Co., Inc.
Hoffman International Inc.
Purkett Mfg. Co.
Rosenthal Mfg. Co.
Super Laundry Machinery Co.
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Machine & Metals, Inc.

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Pocock, M. A.

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Machine & Metals, Inc.

FLEXIBLE METAL HOSE

See: Hose, Flexible Metal

FLEXIBLE STEAM JOINTS

See: Joints, Flexible Steam

STEAM TRAP (REPLACEMENT)

American District Steam Co., Inc. Armstrong Machine Works Crane Co. Dunham-Bush, Inc. Keekley, O. C., Co. Barco Co., Inc. Schaub, Fred H., Engineering Co. Stetling, Inc. Stretting, Inc.
Steeting, Engineering & Mfg. Corp. (Templeton
Mfg. Co.)
Trane Co.
Webster, Warren, & Co.

BOLD TYPE LISTINGS

FLOAT SWITCHES ee: Switches, Float-Operated

FLOAT TRAPS

FLOAT VALVES Sec: Valves, Flo

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Holt Mig. Co.
Holt Mig. Co.
Huntington Laboratories, Inc.
Kent Co., Inc.
Multi-Clean Products, Inc.
Thompson & Sons, Inc.
United Vacuum Appliance Corp.

FLOOR MATS See: Mats, Floo

FLOOR SCALES

FLOW CONTROLS coe: Controls and Regulators (under specific headings)

FLOW METERS See: Meters, Flow

See: Indicators, Flow-Rate FLOW REGULATORS

FLOW-RATE INDICATORS

See: Controls and Regulators (under specific

FLUES, STEEL SMOKE Eclipse Boiler Div. Graver Tank & Mig. Co., Inc. Look-Out Boiler & Mig. Co.

FLUFFERS, HANDKERCHIEF American Laundry Machinery Co. Huebsch Originators Troy Laundry Machinery Div., American Machine & Metals, Inc.

FLUORESCENT LAMPS See: Lamps, Pluorescent

FLUORIDE, AMMONIUM ACID

FLUORIDE, SODIUM ACID

FLUORIDE, SODIUM SILICO

FLUTING MACHINES Maxant Button & Supply Co.

FOG FIRE-FIGHTING UNITS See: Extinguishers, Fire

FOG GENERATORS See: Insecticide Spray Equipment

FOLDERS, FLATWORK IRONER See: Flatwork Ironer Folders

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FOLDING TRUCKS, CANVAS See: Trucks, Industrial

FORMS, COLLAR See: Collar Forms

FORMS, GLOVE See: Giove Forms FORMS, HOSIERY

See: Hosiery and Sock Forms FORMS, NECKWEAR

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ea: Overall Form FORMS, POCKET

FORMS, SLEEVE

FORMS, TROUSER See: Trouser Forms

FORMULA CONTROLS See: Washer Timers and Controls

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FUMIGANTS

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Hattington, Laboratories, Inc.
Keystone Chemical Co.
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FUR CLEANING DRUMS See: Fur Cleaning Equipment

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Coastal Chemical Corp.
Davis-Weil Mig. Co.
Diamond Aikali Co.
Dixo Co., Inc.
DuPont De Nemours, E. I., & Co., Inc., Electrochemicals Dept.
Fur Feel Corp.
Haertel, Walter, Co. Hope Chemical Corp. Huntington Laborat Mackler, B., & Sona Nycco Products Co ries, Inc. Package Chemical Co., Inc. Reliable Machine Works, Inc. Riverside Chemical Co., Inc. Root & Co. Stauffer Chemical Co.
Thoro Products Co.
White Frost Chemicals, Inc. Wye Industries

FUR CLEANING SUPPLIES

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Haertel, Walter, Co.
Hope Chemical Corp.
Mackier, B., & Sons.
Nyeco Products Co.
Reliable Machine Works, Inc.
Sirotta. Bernard, Co.
Swift & Co., General Soap Dept.
White Frost Chemicals, Inc.
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FUR CLEANING TABLE, VENTED

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Mackler, B., & Sons
Reliable Machine Works, Inc.
Sirotta, Bernard, Co.

FUR FINISHING EQUIPMENT

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FUR GARMENT BAGGERS See: Baggers, Garment

FUR GLAZERS American Pressboard Co. Fur Feel Corp. Haertel, Walter, Co. Mackler, B., & Son

Reliable Machine Works, Inc.
White Frost Chemicals, Inc.
Zimmerman Products

FUR GLAZING FLUID Cravenette Co., U. S. A. Fur Feel Corp. Haertel, Walter, Co. Hope Chemical Corp. Mackler, B., & Sons Reliable Machine Works, Inc.

Sirotts, Bernard, Co.
Wye Industries
Zimmerman Products

FUR IDENTIFICATION SYSTEMS See: Identification Systems, Fur

FURNACE WALLS Green, A. P., Fire Brick Co. Johns-Manville Celite Div. Ramtite Co., Div. S. Ob

FURS AND FURRIERS' SUPPLIES

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Nycco Products Co. Reliable Machine Works, Inc. Riverside Mfg. Co. Sirotta, Bernard, Co. Zimmerman Products

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FUR STORAGE EQUIPMENT AND SUPPLIES

See: Storage Vault Equipment or Storage Sup-

FUR VAULT COOLING UNITS

See: Refrigeration, Mechanical

GARMENT BAGGERS See: Baggers, Garment

GARMENT BAGS

See: Bags, Drycleaners'

GARMENT CARRIERS

See: Carts, Garment

GARMENT DRIERS

See: Driers, Garment, Hot-Air

GARMENT DYEING

See: Dyeing, Garment

GARMENT DYES

See: Dyes

GARMENT FINISHERS, STEAM-

See: Steam-Air Finishers, Garment

GARMENT HANGERS

See: Hangers, Garment

GARMENT PRESSES

See: Presses (under specific headings)

GARMENT RACKS

See: Racks, Garment

GARMENT RETAINER

New York Pressing Machinery Corp.

GARMENT SHAPER-DRIER

See: Shaper-Drier, Garment

CARMENT STEAMERS

Sea: Steam-Air Finishers, Garment

GAS BURNERS

See: Burners, Gas

GAS-ELECTRIC TRUCKS

See: Trucks, Industrial

GAS ENGINES

See! Engines, Gas

GAS-OIL BURNERS

See: Burners, Gas-Oil

GASOLINE MOTOR TRUCKS

See: Trucks, Motor

GATE VALVES

See: Valves, Gate

GAUGES

See: Controls and Regulators

CAUGE TESTERS

See: Testers, Gauge

GENERAL FORMULA

See: Spot Removers

GENERATORS, BLEACH

See: Bleach-Making Machines

GENERATORS, ELECTRIC

Allis, Louis Co.
Caterpillar Tractor Co.
Caterpillar Tractor Co.
Crocker-Wheeler Electric Mfg. Co., Div. Joshus
Hendy Iron Works
Electric Steam Boiler Sales, Div. Wolf Co.
Elliott Co.

Enlow Co. General Electric Co. Hoffman International Inc. Kato Engineering Co. New York Pressing Machinery Corp. Reliance Electric & Engineering Co. Worthington Gorp.

GENERATORS, FOG

See: Insecticide Spray Equipment

GENERATORS, STEAM

See: Boilers and Steam Generators

GERMICIDES

See: Antiaeptics, Bleaches, Sours

GLASS CLOTH, WOVEN

See: Cloth, Glass, Woven

GLAZERS, FUR

See: Fur Glazers

CLAZING FLUID, FUR

See: Fur Glazing Fluid

CLOBE VALVES

See: Valves, Globe

CLOVE CASES

See Cases, Glove

CLOVE CLEANING

See: Leather and Suede Cle

CLOVE CLEANING MACHINES

Sabin Machine Co. Vic Mfg. Co.

GLOVE FORMS

Chandler Machine Co.
Henrici Laundry Machinery Co.

GLOVE SOAPS

See: Soaps, Glove

GO-BACK CONVEYORS

See: Conveyors, Go-Back

GOVERNORS, AUTOMOBILE

Hoof Products Co.

GOVERNORS, ENGINE

Hoof Products Co. Strong, Carlisle & Ham.

GOVERNORS, POWER PRESSING

MACHINES Pantex Mig. Corp.

GRAVITY ROLLER CONVEYORS

See: Conveyors (under specific headings)

GREASES, LUBRICATING

Cook's Adam, Sons, Inc. Grauer Research & Mig. Co. Cult Oil Corp., Gull Refuing Co. Keystone Lubricating Co. Lubriplate Div., Fiske Bros. Refining Co. Pure Oil Co. Shell Oil Co. Stewart-Warner Corp., Alemite Corp. Union Oil Co, of California

GUARDS, HAT

See: Hat Guards

GUARDS, LAMP Industrial Products Co.

GUARDS. MACHINE (BELT FLYWHEEL, GEAR, ETC.)

Eastern Cyclone Conveyor Systems, Inc. General Metals, Inc. Kirk & Blum Mig. Co. Wright-Austin Co.

GUARDS, SAFETY

See: Safety Guards

GUARDS, TROUSER

See: Trouser Guards

GUIDE RACKS

Bernard-Franklin Co., I Para-Lux Products Co. White Machine Co., Inc.

GUMMED TAPE

See: Tape, Gummed

GUM TAPE HANDLES FOR SHIRT PACKAGING

See: Handles, Gumtape for Shirt Packaging

GUNS, SPRAY

Sea: Spray Guns

HAMPERS

See: Baskets, Canvas, and Hampers, Shipping

HAMPERS, SHIPPING

Bonn, F. H., Co. Container Development Co Daniels. C. R., Inc. Lally, R., Co. Lane, W. T., & Bros., Inc. Leebaw Mig. Co. McElmoyl, W. J., Co. Meese, Inc. Steele Canvas Basket Co., Inc.

HAND CREAM, PROTECTIVE

Ayerst, McKenna & Harrison Caled Products Co., Inc. Davis Emergency Equipment Co., Inc. DuPont de Nemours, E. I., & Co., Inc. Huntington Laboratories, Inc. Industrial Products Co. Industrial Products Co.

Mine Balety Appliance Co.

National Cleaners Chemical Mfg., Co.
Riverside Chemical Co., Inc.
Streams, George, Chemical Mfg., Co.
Streat, R. R., & Co., Inc.
Tarbonis Co.,
Warco Laboratories, Inc.

HAND HOISTS

HANDKERCHIEF CONVEYORS

HANDKERCHIEF FLUFFERS

HANDKERCHIEF IRONERS

HANDKERCHIEF REPLACEMENTS

HANDLES, CUMTAPE FOR SHIRT PACKAGING

Carry-Pack Co., Ltd., Minnesota Mining & Mfg. Co. Minnesota Mining & M Rowe Enterprises, Inc Technical Tape Corp.

See: Trucks, Industrial

HANGER BLOCKS

See: Blocks, Hanger and Pillow

HANGER CAPES

BOLD TYPE LISTINGS

HANGER CLIPS

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HANGER COMBINERS

Cleveland Lathe & Machine Co.
Garment Hanger Co.
Garment Fine, Twist-Ems Div.
Gibraltar Products Co.
Hanseom, H. F., & Co.
Latton Products Co., Inc.
Oakville Co., Div. Scovill Mfg. Co.
Plas-Ties Co.
White Machine Co., Inc.

HANGER RACKS

See: Racks. Hanger

HANGER SHIELDS AND GUARDS

Anson, Art. Inc.
Brooks, Alfred J.
Brooks, Alfred J.
Cade Paper & Bag Corp.
Cleaners Hanger Co.
Clopay Corp.
Fastik Co.
Fastik Co.
Fastik Co.
Garment Hanger Co.
Goldman Mig. Co.
Great Eastern Paper Converters, Inc.
Greif Bros. Cooperage Corp., Wire Garment
Hanger Division Coperage Corp., Great Eastern Paper Converters, Inc.
Greif Bros. Cooperage Corp., Wire Garment
Hanger Div.
Kwik-Kover Sales Co.
Larton Products Co., Inc.
Larton Products Co., Inc.
Larton Products Inc.
Majestic Paper & Twine Co., Inc. (Laundry &
Drycleaning Supply Div.)
Marion Mig. Co., Inc.
Memphis Hanger Co.
Midwest Hanger Co.
Midwest Hanger Co.
Midwest Hanger Co.
Natual Paper Box Co., Inc.
Nagel Coat Hanger Co.
Para-Lux Products Co.
Para-Lux Products Co.
Pate & Co. Pars-Lux Products Co.
Patels & Co.
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Patels & Co.
Pittsburgh Coat Hanger Co.
Rassenfoss Bag Co., Inc.
Rosenthal Paper Co.
Spear Box Co., Inc.
Sta-Neat Corp.
Tilnery Container Corp.
Tilnery Gontainer Corp.
Time Savers, Inc.
West Side Corp.

HANGERS, CURTAIN AND DRAPERY

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HANGERS, DRIER United Vacuum Appliance Corp.

HANGERS, GARMENT

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Cleveland Garment Hanger Co.
Davis, K. H., Mig. Co.
Davis, K. H., Mig. Co.
Davis Wire Hanger Co.
Davis Hanger Co.
Garment Hanger Co.
Goldman Mig. Co.
Goldman Mig. Co.
Goldman Mig. Co.
Hanger Div.
Hanger Div.
Haertel, Walter, Co.
Hearry Hanger Co.
Hopkins Equipment Co.
International Wire Hanger Mig. Co.
Kats Bag Co. Cleveland Garment Hanger Co. Kats Bag Co. **Eeyes-Davis Co.**Kwik-Kover Mig. Co.

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PITTSBURGH HANGER CO.

Monaca, Pennsylvania

M. & B. Metal Products Co.

Memphis Hanger Co.

Midwest Hanger Co.

Midwest Hanger Co.

Nagel Coat Hanger Mig. Co.

Pacific Coat Hanger Mig. Co.

Para-Lux Products Co.

Perelmutter, M. & Co.

Phoenix Products Co.

Pitsburgh Coat Hanger Co.

Prym, William, Inc.

Quaker Hanger Co.

Hassenfoss Bag Co., Inc.

Spear Box Co., Inc.

Tillery Container Corp.

Tillers Savers, Inc.

United Garment Hanger Co.

Waldorf Paper Products Co.

West Side Corp.

Wire Specialties & Mig. Co.

Wornstead, Smith & Loomis, Inc.

HANGERS. NECKTIE

HANGERS, NECKTIE

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Goldman Mig. Co.
Gronauer, M. H., & Co.
Loroco Industries, Ine.
Memphis Hanger Co.
Pacific Cost Hanger Mig. Co.
Phenix Products Co.
Phenix Products Co.
Pittsburgh Hanger Co.
West Side Corp.

HANGERS, PIPE AND SHAFT Walworth Co. Wood's, T. B., Sons Co.

HANGERS, REVOLVING SHIRT American Laundry Machinery Co. Bishop Freeman Co.

HANGERS, RUG AND CARPET See: Rug and Carpet Cleaning Equipment

HANGING SCALES See: Scales

HAT-BLOCKING MACHINES See: Blocking Machines, Hat

HAT GUARDS

American Hatters Supplies, Inc.
Automatic Paper Box Corp.
Brooks, Alfred J.
Goldman Mfg. Co.
Hatters Supply House, Inc.
National Hatters Supply Co., Inc.
Phoenix Products Co.
Rosenthal Paper Co.
Spear Box Co., Inc.
West Side Corp.

HATTERS' EOUIPMENT

American Hatters Supplies, Inc. Excelsior Machinery Co. Hatters Supply House, Inc. National Hatters Supply Co., Inc.

HATTERS' SUPPLIES

American Hatters Supplies, Inc.

Automatic Paper Box Corp. Greenville Chemical Co. Hatters Supply House, Inc. Keystone Aniline & Chemical Co. National Hatters Supply Co., Inc. Warco Laboratories, Inc.

HEAD PLATES (PRESSING MACHINES)

See: Press Plates

HEATERS, AIR

Bros, Wm., Boiler & Míg. Co.
Bryant Heater Div., Affiliated Gas Equipment,
Inc.
Clarage Fan Co.
Cutler-Hammer, Inc.
Davis Engineering Corp.
Dravo Corp.
Erie City Iron Works
Iron Firenan Míg. Co.
Martin Fan & Blower Co.
Norman Control Co., Inc. Martin Fan & Blower Co., Inc.
Peabody Engineering Corp.
Rockwell, W. S., Co.
Sellers Engineering Co.
Trane Co.
Whitlock Mfg. Co.
Wiegand, Edwin L., Co.

HEATERS, BLAST

Carrier Corp.
Clarage Fan Co.
Murray, D. J., Mig. Co.
Penbody Engineering Corp.
Sellers Engineering Co.
Trane Co.
Wiegand, Edwin L., Co.

HEATERS, FEED-WATER

American District Steam Co., Inc.
American Water Softener Co.
Brownell Co.
Carver, Tom, Inc.
Cochrane Corp.
Davis Engineering Corp.
Graver Tank & Mig. Co.
Marshall Heater Co.
Patterson-Kelley Co., Inc.
Peabody Engineering Corp.
Ross Heat Exchanger Div.
Schaub, Fred H., Engineering Co.
Stout, David, & Sons
Taco Heaters, Inc.
Whitlock Mig. Co.
Wiegand, Edwin L., Co.
Worthington Corp.

HEATERS, FUEL-OIL

American District Steam Co., Inc. Anthony Co. Bryant Heater Div., Affiliated Gas Equipment, Inc. Dryan Roster Div., Animated Gas Jacques Inc.
Carver, Tom, Inc.
Davis Engineering Corp.
General Electric Co., Air Conditioning Dept.
National Airoil Burner Co., Inc.
Patterson-Kelley Co., Inc.
Peabody Engineering Corp.
Petroleum Heat & Power Co.
Ray Oil Burner Co.
Ross Heat Exchanger Div.
Taco Heaters, Inc.
Whitlock Mig. Co.
Wiegand, Edwin L., Co.

HEATERS, INSTANTANEOUS

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Davis Engineering Corp.
Eclipse Boiler Div.
Johnson Corp.
Lookout Boiler & Mfg. Co.
Ludell Mig. Co.
Marshall Heater Co.
National Combustion Co.
Old Dominion Iron & Steel Corp.
Patterson-Kelley Co., Inc.
Pick Mig. Co.
Portmar Water Heater Co., Inc.
Ross Heat Exchanger Div.
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Smith, A. O. Corp.
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Whitlock Mig. Co.

HEATERS, SOLVENT

See: Solvent Heaters

HEATERS, UNIT

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Crane Co.
Davis Engineering Corp. Dravo Corp.
Dunham-Bush, Inc.
Ilg Electric Ventilating Co.
Kisco Boiler & Engineering Co.



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Murray, D. J., Mfg. Co.
Trane Co.
Webster, Warren, & Co.
Wiegand, Edwin L., Co.
Worthington Corp.
Young Radiator Co.

HEATERS, WATER

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Alert Boiler & Mfg. Co.

American District Steam Co., Inc.

American Water Softener Co.

Brownell Co. Bryant Heater Div., Affiliated Gas Equipment, Bryant Heater Div., Affiliated Gas Equipment Inc.
Carver, Ton, Inc.
Carver, Ton, Inc.
Clayton, Mfg. Co.
Cleaver-Brooks Co.
Clouder Boiler Co. of Pottstown
Commercial Heater Co.
Crane Co.
Cutler-Hammer, Inc.
Cyclotherm Div., National-U. S. Radistor Corp.
Davis Engineering Corp.
Dewey Shepard Boiler Co.
Eclipse Boiler Div.
Ewing Mfg. Co.
Forse Corp.
Frigidaire Div., General Motors Corp.
Graver Tank & Mfg. Co.
Graver Sank & Mfg. Co.
Johnson Corp.
Kisco Boiler & Engneering Co.
Lookout Boiler & Mfg. Co.
Ludell Mfg. Co.
Ludell Mfg. Co.
Marshall Heater Co. Lookout Boiler & Mig. Co.
Ludell Mig. Co.
Marshall Heater Co.
Marshall Heater Co.
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Trane Co.
UniMac Co.,
Vapor Heating Corp.
Vara, A. G., & Son, Inc.
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Wiegand, Edwin L., Co.
York-Shipley, Inc., Industrial Div.

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Brownell Co.
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Inc. Bryant Heater Div., Affiliated Gas Inc.
Carver, Tom, Inc.
Cleveland Heater Co.
Cochrane Corp.
Columbia Boiler Co. of Pottstown Crane Co.
Davis Engineering Corp.
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Ludell Mig. Co.
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Peabody Engineering Corp.
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Fortmar Water Heater Co., Inc.
Rund Mig. Co.
Schaub, Fred H., Engineering Co.
Sellers Engineering Co.
Smith, A. O., Corp.
Stout, David, & Sons
Trane Co.
Taco Heaters, Inc.
UniMac Co.
Whitlock Mig. Co.
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Wittock Mig. Co.
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See: Reels, Hose

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(Continued on next page)

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See: Hoists

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INSULATED WIRE AND CABLE See: Wire and Cable, Insulated

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See: Sleeve Boards

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IRONING-ROOM CONVEYORS See: Conveyors, Ironing-Room

IRON-REMOVAL EQUIPMENT, WATER TREATMENT

See: Water Treatment Equipment

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Machine & Metals, Inc.
Vapor Jet Steam Products, Inc.

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American Brass Co.
American District Steam Co., Inc.
Barco Mfg. Co.
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KETTLES, DYE See: Dye Kettles

LABEL MOISTENERS

See: Moisteners, Label

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LABELS, EMBROIDERED See: Emblems

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LAMP GUARDS

See: Guards, Lamp

LAMPS, COLOR-MATCHING AND DAYLIGHT

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LAPEL PROTECTORS

See: Protectors, Lapel LAUNDRY BAGS, PAPER

See: Bags, Laundry, Paper LAUNDRY CARTS

See: Carts, Garments and Laundry LAUNDRY DYES

See: Dyes

LAUNDRY EXTRACTORS See: Extractors, Laundry

LAUNDRY PACKAGING See: Packaging, Laundry

LAUNDRY PRESSES

See: Presses, Laundry, Manually Operated, or Presses, Laundry, Power Operated

LAUNDRY SOAPS See: Soaps, Laundry

LAUNDRY TINTS See: Tints and Dyes, Laundry

LAUNDRY TUMBLERS, CLOTHES

See: Tumblers, Clothes, Laundry LAUNDRY WASHERS

See: Washers, Laundry, Metal, or Washers, Laundry, Wood

LEATHER BELTING See: Belting, Leather

LEATHER BELTING CEMENT See: Cement, Leather Belting

LEATHER BELTING, WATER-PROOF

See: Belting, Waterproof Leather

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See: Soaps, Leather Cleaning

LEATHER DYEING

See: Dyeing. Leather and Suede

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See: Trucks, Industrial

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See: Solvent, Lime Soap

LINEN MARKERS

See: Markers, Linen

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See: Bleach

LIOUID CHLORINE

See: Chlorine, Liquid

LIQUID LEVEL CONTROLS

See: Controls and Regulators, Liquid Level

LIQUID LEVEL RECORDERS

See: Controls and Regulators

LIQUID LEVEL REGULATORS

See: Controls and Regulators, Liquid Level

LIQUID STARCH

See: Starch, Liquid

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LISTS, PRICE

See: Price Lists

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See: Alarms, High and Low Water

LOW WATER FUEL CUTOFFS

See: Boiler Fuel Cutoffs, Low Water

LUBRICANT STARCH

See: Starch, Lubricant

LUBRICATING GREASES

See: Greases, Lubricating

LUBRICATING OILS

See: Oils, Lubricating

MACHINE MARKING IDENTIFI-CATION SYSTEMS

See: Identification Systems

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See: Fountain Pens, Marking
See: Ink, Indelible Marking, or Ink, Invisible
Marking

MARKING INK, INVISIBLE

See: Ink, Invisible Marking

MARKING LABELS, WOVEN

See: Labels, Woven, Marking

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See: Identification Systems

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See: Tags, Marking

MARKING-TAG SEWING MACHINES

See: Sewing Machines, Marking-Tag

MARKING TAPE

See: Tape, Marking

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MENDING TAPE, HEAT-SEALING

See: Mending and Patching Material, Garment and Linen

MERCURY-VAPOR LAMPS

See: Lamps, Mercury-Vapor

METAL BASKETS

See: Baskets, Metal

METAL CHUTES

See: Chutes, Metal

METAL CYLINDERS

See: Washer Cylinders, Metal

METAL HAND TRUCKS

See: Trucks, Industrial

METAL HOSE, FLEXIBLE

See: Hose, Flexible Metal

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See: Lockers. Metal

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METAL PADS, MONEL

See: Pads and Padding, Press and Ironer

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See: Boxes, Metal

METAL POLISH

See: Polish, Metal

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See: Paint

METAL SHELVING

See: Shelving, Metal

METAL TANKS

See: Tanks, Metal

METAL VATS

See: Vats, Metal

METAL WASHERS

See: Washers (under specific headings)

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MONEL METAL PADS

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See: Controls and Regulators, Motor

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See: Deodorizer Solvent

MUSHROOM PRESSES

See: Presses, Mushroom

NAMEPLATES

See: Emblems

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NECKBAND REPLACEMENTS See: Replacements, Collar, Cuff and Neckband

NECKTIE CASES

Sec: Cases, Nechtie

NECKTIE HANGERS

See: Hangers, Necktie

NECKTIE PRESSES

See: Presses, Necktie

NET HOLDERS

See: Holders, Bag and Net

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See: Pin, Net, Straightener

NET PINS

See: Pins, Net

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NON-WOVEN BELTING See: Belting Non-Woven

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NYLON NETS See: Nets, Laundry NYLON PRESS CLOTH See: Cloth, Press

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Allen, R. C., Business Machines, Inc. Bernard-Franklin Co., Inc. Bernard-Franklin Co., Inc. Burroughs Adding Machine Co. Econo-Pak Register Co. Repy Register Co. National Cash Register Co. Reminates Rand Inc. Remington Rand Inc. Simplex Time Recorder Co. Standard Register Co. Todd Co., Inc.

OIL AND STEAM SEPARATORS See: Separators, Oil and Steam

OIL BURNERS See: Burners, Oil

OIL COOLERS See: Coolers, Oil, Water, Air

OILERS

Eagle Mfg. Co.
Lunkenheimer Co.
Oil-Rite Corp.,
Stewart-Warner Corp., Alemite Corp.
Trico Fuse Mfg. Co. Victor Lubricator Sales Co.

OIL FILTERS

American Felt Co.
Johnson Corp.
Perfecting Bervice Co.
Permutit Co. Wright-Austin Co.

OIL PUMPS Sea: Pumps. Oil

OIL-REMOVING FILTERS

See: Pilters, Oil-Removing

OILS, LUBRICATING

Aurora Mfg. Corp.
College Chemical Co.
Cook's Adam, Sons, Inc.
Gulf 10il Corp., Gulf Refining Co.
Keystone Lubricating Co.
Lubriplate Div., Fiske Bros. Refining Co.
Pure Oil Co. Stendard Oil Co. Standard Oil Co. Stewart-Warner Corp., Alemite Corp. Texas Co. Union Oil Co. of California

OIL SOAPS See: Soaps, Oil

OILS, SULPHONATED See: Sulphonated Oils

OIL, TURKEY RED See: Turkey Red Oil

OPTICAL BLEACH

ORLON-DYNEL FINISHING

Fumol Corp.
Fur Feel Corp.
Haertel, Walter, Co.
Kandu Chemicals, Inc.
Reliable Machine Works, Inc.

White Frost Chemicals, Inc.

ORTHOSILICATE (SODIUM) See: Sodium Orthosilicate

OVERALL FORMS

American Laundry Machinery Co. Leef Bros., Inc. Norman Control Co., Inc.

OVERALL PRESSES See: Presses. Overall

OVERFEED STOKERS See: Stokers

OVERHEAD CONVEYORS See: Conveyors (under specific headings)

OVERHEAD CRANES

OXALIC ACID Aurora Mfg. Corp. DuPont de Nemours, E. I., & Co., Inc. Innis, Speiden & Co.
Mallinckrodt Chemical Works
Stauffer Chemical Co. Victor Chemical Works

OZONE GENERATORS See: Deodorizing Machin

PACKAGE DISCHARGE CONVEYORS

See: Conveyors, Package Discharge

PACKAGE-TYING MACHINES See: Bundle Tyers

PACKAGING, LAUNDRY

Abso-Clean Chemical Co.
Academy Paper Box Co.
Anderson Collar Support Co.
Anderson Paper Box & Bag Corp. Aurora Mig. Corp.
Bagcraft Corp. of America
Better Packages, Inc. Bagcraft Corp. of America Better Packages, Inc. Bond Street Bag & Paper Corp. Brooks, Alfred J. Cade Paper & Bag Corp. Carry-Pack Co., Ltd. Century Paper Products Co,

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Kordite Co.
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Kwik Kover Mig. Co.
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Mercury Cleaning Systems, Inc.
Minnesota Mining & Mig. Co. Minnesota Mining Systems, Inc. Minnesota Mining & Mig. Co. Nashua Corp. National Tag & Label Corp. Package Masters, Inc. Package Masters, Inc. Pak-Rite Flexible Packaging Co. Patek & Co. Patek & Co. Patek & Co. Park & Co.
Phoenix Products Co.
Phoenix Products Co.
Quik.-Pac Div., H. Wesley Hutchins Co.
Rassenioss Bag Co., Inc.
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Rosenthal Mig. Co.
Spear Box Co.
Steele, J. W., & Co.
Story Mig. Co.
Sutherland Paper Co.
Technical Tape Corp.
Time Savors, Inc. West Side Corp. Whitman Supply Co., Inc. Wormstead, Smith & Loomis, Inc.

PADDINGS, ASBESTOS See: Pads and Padding, Press and Ironer

PADDING, COTTON
See: Pads and Padding, Press and Ironer

PADDING, FELT

See: Pade and Padding, Press and Ironer

PADDING, IRONER

See: Pads and Padding, Press and Ironer

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Garment Hanger Co.
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International Steel Wool Co.
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Laundry Textile Co.
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PADS, IRONER, COTTON

PADS, IRONER, FELT
See: Pads and Padding, Press and Ironer

PADS, PRESS AND IRONER
See: Pads and Padding, Press and Ironer

PADS, TUMBLER
See: Tumbler Pads

PAILS, ACID-RESISTING
See: Buckets and Pails, Acid-Resisting

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PAINT-SPRAYING EQUIPMENT

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PAPER, ASBESTOS
See: Asbestos Paper

PAPER BANDS See: Bands, Paper

PAPER BOXES
See: Rozes, Piber and Paper

See: Hozes, Fiber and Paper
PAPER HANGERS

See: Hangers, Garment

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PAPER LAUNDRY BAGS
See: Bage, Laundry, Paper

PAPER SHIRT ENVELOPES See: Envelopes, Shirt

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Majestic Paper & Twine Co., Inc., (Laundry & Drycleaning Supply Div.)
Permanbar Corp.
Spear Box Co., Inc.

PAPER WRAPPERS See: Wrappers, Paper

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(Continued on next page)

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Rosenthal Paper Co.
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PASTE SOAPS

See: Soaps, Drycleaning

PATCHING AND MENDING MATERIALS

See: Mending and Patching Material, Garment

PEARL BUTTONS

See: Buttons

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Hercules Fowder Co., Muron Milling Div.
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Lustrol Drycleaning Products Co.
Maxant Button & Supply Co.
Merson Products Co., Inc.
Nu-Pro Mig. Co.
Olin Mathieson Chemical Corp., Industrial
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Frooter & Gamble Distributing Company
Signal Chemical Mig. Co., Inc.
Solvay Process Div., Allied Chemical Corp.
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Detrex Chemical Industries, Inc.
Diamond Alkali Co.
Dow Chemical Co., The
DuPont De Nemours, E. I., & Co., Inc., Electrochemicals Dept.
Frontier Chemical Co., Div. Vulcan Materiais Co. Stauffer Chemical Co.
Westvaco Chlor-Alkali Div., Food Machinery &
Chemical Corp.

PERFORATED METAL

See: Metal. Perforated

PETROLEUM SOLVENT, SAFETY

See: Solvent, Safety Petroleum

PH CONTROL EQUIPMENT

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DH INDICATORS

See: Indicators, pH

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PHOSPHATE, SODIUM TETRA-PHOSPHATE

See: Sodium Tetraphosphate

PHOSPHATE TEST KITS

See: Test Kits, Phosphate

PHOSPHATE, TRISODIUM

See: Trisodium Phosphate

PHOTOELECTRIC CONTROLS

See: Controls and Regulators, Photoelectric

pH TEST KITS

See: Test Kits, pH Control

PICK-UP BOXES, METAL

See: Drop Boxes

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See: Blocks, Hanger and Pillow

PILLOWCASES

See: Replacements, Sheets, Pillowcases, etc.

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PILLOW-FEATHER STERILIZING **MACHINES**

See: Sterilizing Machines, Pillow-Feather

PILLOW TICKINGS

See: Tickings

PIN AND TAG IDENTIFICATION SYSTEMS

See: Identification Systems

PIN CARRIERS

Barker Mfg. Co.
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Bonn, F. H., Co.
Keye-Davis Co.
Key-Tag Checking System Co.
Risdon Mfg. Co.
Stadham Co., Inc.
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Davies-Young Soap Co. Lavies - 10Mg Soap Co.
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Hope Chemical Corp.
Fort Huron Detergent Co., Inc.
Speedlite Chemicals Co.
Steeling Supply Corp.
Talb Industries, Inc.
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Wye Industries

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Apex Chemical Co., Inc.
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Concord Chemical Co., Inc.
Davis-Weil Mig. Co.
Drew, E. F., & Co., Inc.
Mercules Rowder Co., Huron Milling Div.
Lincoln Research, Inc.
Riverside Chemical Co., Inc.
Speedlite Chemicals Co.
Stearns, George, Chemical & Mig. Co.
Talb Industries, Inc.
Universal Solvent Co.
Wye Industries

PIN, NET, STRAIGHTENER Risdon Mfg. Co.

PIN-NUMBERING SETS

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Banasch Button & Supply Co.
Barker Mfg. Co.
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Goodman, A., & Co.
Ideal Mfg. Co.

Eves-Davis Co.
Kuf-Pins Mfg. Co.
Sational Marking Machine Co.
Oakville Co. Div., Scovill Mfg. Co.
Prym, William, Inc.
Rich, Sidney, Corp
Bisdon Mfg. Co.

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PINS, DIAPER

Reyes-Davis Co. Prym, William, Inc. Risdon Mfg. Co.

PINS, DYE, MARKING

Keyes-Davis Co. Key-Tag Checking System Co. National Marking Machine Co. Risdon Mfg. Co.

PINS, MARKING

See: Marking Pins

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See: Bags, Plastic

PLASTIC BUTTONS

See: Buttons

PLATFORM TRUCKS

See: Trucks, Industrial

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PNEUMATIC CONVEYORS

See: Conveyors, Pneumatic, Bulk

PNEUMATIC HOISTS

See: Hoists

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POCKET REPLACEMENTS

See: Replacements, Pocket, Trouser

POLES, RUG AND CARPET

See: Rug and Carpet Cleaning Equipment

POLISHING MACHINES, FLOOR

See: Floor Cleaning, Scrubbing and Polishing Machines

POLISH, METAL

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DuPont de Nemours, E. I., & Co., Inc.
Huntington Laboratories, Inc.
International Metal Polish Co.
Keystone Chemical Co.
Olin Mathieson Chemical Corp., Industrial
Chemicals Div.
Stearns, George, Chemical & Mfg. Co.
Tower Chemicals, Inc.

POLISH TWINE

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POLYETHYLENE BAGS

See: Bags, Plastic

POLYETHYLENE RESINS

Bakelite Div., Union Carbide Corp.
Dow Chemical Co., The
Kordite Co.
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See: Blowers

PORTABLE SCALES

See: Scales

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POWDER, BLEACHING

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POWDER DISPENSERS, FILTER

See: Filter Powder Dispensers

POWDER, FILTER

See: Filter Powder

POWER HOISTS

See: Hoists

POWER PLANTS AND UNITS,

STEAM

See: Boilers and Steam Generators PREFABRICATED BUILDINGS

See: Buildings, Prefabricated

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Leader Iron Works
Patterson-Kelley Co., Inc.
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Stout, David, & Sons
Taco Heaters, Inc.
Vara, A. G., & Son, Inc.
Vic Míg. Co.
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Wiegand, Edwin L., Co.

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Riverside Chemical Co., Inc.
Williams, I. B., & Sons

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Benda Products, Inc.
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Caled Products, Inc.
Coastal Chemical Corp.
Cravenette Co., U. S. A.
Davies Young Soap Co.
Dixo Co., Inc.
Eaton Chemicals & Dyestuff Co.
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Edelmuth Mig. Chemists
Emery Industries, Inc., Sanitone Div.
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Hope Chemical Corp.
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Mardene Chemical Corp.
Merson Products Co., Merson Products Co., Merson Products Co., Inc.
National Cleaners Chemical Mig. Co.
Pannsait Chemicals Corp.
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White Machine Co., Inc.

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BOLD TYPE LISTINGS

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College Chemical Co.
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Lally, R., Co.

Stadham Co., Inc.

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PRESS CLOTH

See: Cloth, Press

PRESS CLOTH, WOOL

See: Cloth, Press

PRESS COVERS

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Carson Textile Co.
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Detrex Chemical Industries, Inc.
Excelsior Machinery Co.
Goldman Pressing Machine Corp.
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Aacks, Storage (Continued Fur Feel Corp.
Harriel, Walter, Co.
Harloff Mfg. & Supply Co.
Lewis-Shepard Products, Inc.
Mackler, B., & Sons
M-H Standard Co.
Morse Mfg. Co.
Railex Corp.
Reliable Machine Works, Inc.
Republic Steel Corp.
Speed Check Co., Inc.
Time Savers, Inc.
White Machine Co., Inc.

RADIOS, TWO-WAY Aeronautical Electronics, Inc.

RAM STOKERS See: Stokers

REBUILT MACHINERY See: Machinery, Used and Rebuilt

RECEIVING SCALES

See: Scales

RECLAIMERS, HEAT See: Heat Reclaimers

RECORDERS See: Controls and Regulators

RECORDING GAUGES

See: Controls and Regulators

RECORDING THERMOMETERS

RECORD SYSTEMS

KECORD SYSTEMS
Econo-Pak Register Co.
Identification, Inc.
National Cash Register Co.
National Marking Machine Co.
New England Business Service
Recordak Corp.
Remington Rand Co.
Royal-McBos Co.
Rubinoff, M., Inc.
Speed Check Co., Inc.
Stry-Leakoff Co.
Stry-Leakoff Co.
Todd Co., Inc. Stry-Leakoff Co. Todd Co., Inc. Willeo Sales Co. Wormstead, Smith & Loomis, Inc.

RECOVERY UNITS, SOLVENT

See: Solvent Recovery Units

RED OIL, TURKEY

REDUCING AND REGULATING VALVES

See: Valves, Reducing and Regulating

REELS, HOSE

Alemite Div., Stewart-Warner Corp. Wayne Pump Co.

REELS, SORTING See: Sorting Reels

REFRACTORY CEMENT See: Cement, Refractory

REFRIGERATION, MECHANICAL

Acme Industries, Inc. American Blower Corp., Div. American-Standard Carrier Corp. Dunham-Bush, Inc. General Electric Co., Air Conditioning Dept. Haertel, Walter, Co. Kelvinator Div., Nash-Kelvinator Corp. Reliable Machine Works, Inc. Trane Co.

REGISTERS, AUTOGRAPHIC,

AND SOFFLAES
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Automatic Salesbook Co.
Bouton City & Tag Co.
Egry Register Co.
Egry Register Co.
Hub Printing Services
Moore Business Forms, Inc.
Ohmer Register Co.
Standard Register Co.

REGISTERS, CASH AND CONTROL

Allen, R. C., Business Machines, Inc. Burroughs Adding Machine Co. Moore Business Forms, Inc. National Cash Register Co. Ohmer Register Co. Standard Register Co. Standard Register Co. Sweda Cash Register, Inc. Victor Adding Machine Co.

REGULATORS

See: Controls and Regulators (under specific headings)

RELIEF VALVES

See: Valves, Safety

REMOVERS, PAINT

See: Paint Removers REMOVERS, RUST

See: Rust Removers

REMOVERS, STAIN

See: Stain Removers

REPELLENTS, MOTH

See: Mothproofing Agents

REPELLENTS, WATER See: Water Repellents

REPLACEMENTS, COLLAR, CUFF AND NECKBAND

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RETURN SYSTEMS, BOILER

See: Boiler Return Systems

RETURN SYSTEMS, EXTRACTED SOLVENT

Carver. Tom, Inc.
Forse Corp.

Midwest Laundry & Cleaning Machinery Co.
New York Pressing Machinery Corp.
Pedlevin Milnor Corp.

RETURN SYSTEMS, STEAM CONDENSATE

Acker, W. M., Organization, Inc. Carver, Tom, Inc. Chicago Pump Co. Cissell, W. M., Mfg. Co., Inc.

Cochrane Corp.
Columbia Boiler Co. of Pottstown
Cyclotherm Div., National-U. S. Radiator Corp. Davis Engineering Corp.
Decatur Fump Co.
Eclipse Combustion Div., Eclipse Fuel Engineering
Co.

Forse Corp.
Fulton Boiler Works, Inc.
Glover, Bill, Inc.
Hoffman International Inc.

Johnson Corp.

Kisco Boiler & Engineering Co.
Lattner, P. M., Mfg. Co.
Lookout Boiler & Mfg. Co.
Moorehead Mfg. Co.
Moorehead Mfg. Co.
New York Pressing Machinery Corp.
Pantex Mfg. Corp.
Pantex Mfg. Corp.
Pantex Mfg. Corp.
Parker, Sid E., Boiler Mfg. Co.
Patterson-Kelley Co., Inc.
Schaub, Fred H., Engineering Co.
Spotswood Parker & Co.
Spotswood Parker & Co.
Southern Machinery Co.
Sterling Engineering & Mfg. Corp., Templeton
Mfg. Co.
Stout, David. & Sons
Stoug, Carlisle & Hammond Div.
United Brass Works, Inc.
Whitlock Mfg. Co.

RETURN TRAPS

See: Traps, Return

REWEAVING

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Generican Textile Weaving Co.
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REWEAVING EQUIPMENT

Amber School of Reweaving Fabricon Co. Newhouse Specialty Co., Inc. Wonder Weavers

REWEAVING SCHOOL

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RIBBON, CELLOPHANE

See: Cellophane Products

RIBBONS, FEED

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Pittsburgh Waterproof Co.
Revolite Div., Baybestos-Manhattan, Inc.
Southern Mills, Inc. Tingue, Brown & Co.
Toptex Corp.
Victor Balata & Textile Belting Co.
Wick Narrow Fabric Co.
Zellermayer Supply Corp.

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Bonn, F. H., Co.,
Callaway Mills, Inc.
Carson Tettile Co.
Gebraltar Fabrics, Inc.
Geodrich, B. F., Co.
Lally, R., Co.
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ROOMS, DRY-

ROOMS, MARKING

ROTARY BEATERS

See: Beaters, Carpet and Rug

ROTARY BRUSHES, FUR CLEANING

American Pressboard Co., Inc. Atlanta Brush Co., Fur Feel Corp. Haertel, Walter, Co. Mackler, B., & Sons Pennington, C. W., Co. Reliable Machine Works, Inc. White Frost Chemicals, Inc.

ROTARY BRUSHES, RUG CLEANING

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ROTARY BRUSH REFILLS

Certified Chemical & Equipment Co. Multi-Clean Products, Inc. Pennington, C. W., Co.

ROTARY CONVERTERS

See: Converters, Rotary

ROTARY PUMPS

See: Pumps (under specific headings)

RUBBER BELTING

See: Belting, Rubber

RUBBER BOOTS

See: Boot, Rubber

RUBBER GOODS, MOLDED

Ace Lite Step Co.
Behrstock, L., Co.
Carlyle Rubber Co., Inc.
Darnell Corp., Ltd.
Johns-Manville
U, S. Rubber Co.

RUBBER HOSE See: Hose, Rubber

RUBBER MARKERS See; Markers, Rubber

RUBBER NETS See: Nets, Laundry

RUBBER PADDING
See: Pads and Padding, Press and Ironer

RUBBER PAILS
See: Buckets and Pails, Acid-Resisting

RUBBER-TIRED WHEELS See: Wheels and Casters, Trucks, etc.

RUFFLE IRONERS
See: Ironere, Ruffle

RUG AND CARPET BINDING
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Cieveland Rug Machinery Co.

Hild Floor Machiner Co., Inc.

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RUG AND CARPET SIZING EQUIPMENT

See: Rug and Carpet Cleaning Equipment

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Apex Chemical Co., Inc.
Armour & Co., Industrial Scap Dept.
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Blenco Co.
Calcel Products Co., Inc.
Carolyn Chemical Co., Inc.
Carolyn Chemical Co., Inc.
Carolyn Chemical Corp.
Colgrate-Palmolive Go.
Constal Chemical Corp.
Colgrate-Palmolive Go.
Concord Chemical Co., Inc.
Cravenette Co., U. S. A.
Davice-Palmolive Go.
Diamond Alkail Co.
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Diroc Co., Inc.
Colgrate Chemicals
Friend Scap Co.
Fumol Corp.
Glamorene, Inc.
Hild Ploor Machine Co., Inc.
Materian State Corp.
Merson Products Co., Inc.
Multi-Clean Products, Inc.
National Scap & Chemical Co.
Nu-Horison System
Nu-Pro Mig. Co.
Oakite Products Co.
Pennsalt Chemicals Corp.
Philadelphia Quarts Co.
Port Huvon Detergent Co., Inc.
Riverside Mig. Co.
Signal Chemical Mig. Co., Inc.
Bleater-Robbins Co., Inc.
River Standard Scap Co. of Camdem
Stearns, George, Chemical & Mig. Co.
Signal Chemical Mig. Co., Inc.
Standard Scap Co. of Camdem
Stearns, George, Chemical & Mig. Co.
Swift & Co., General Scap Dept.
Tratworth Products Corp.
Twee Chemicals, Inc.
Wareo Laboratories, Inc.

RUG DRYING CONVEYORS

See: Conveyors, Rug Drying
RUG DYEING

See: Dyeing, Rug and Carpet

RUG ROLLERS AND WRAPPERS

Dyken Mfg. Co., Inc. RUG TUMBLERS

See: Tumblers, Rug Cleaning

RUG WASHERS See: Washers, Rug

RUST PREVENTATIVES

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Adrian Research & Chemical Co., Inc.
Charleston Rubber Co.
Coastal Chemical Corp.
Culligan, Inc.
Drew, E. F. & Co., Inc.
Dr. Dront do Nemourn, E. I., & Co., Inc.
Flinktole Co.
Gulf Oil Corp., Gulf Relining Co.
Huntington Laboratories, Inc.
Kennedy Products Co.
Keystone Lubricating Co.
Midland Paint & Varnish Co.
National Chemical Sales Co., Laboratory, Inc.
(Continued on next page)

BOLD TYPE LISTINGS

Rust Preventatives (Continued)

Corp., Alemical Corp., Alemical Corp., Standard Oil Co., Alemical Corp., Alemical Corp.,

Corp.
Union Oil Co. of California
Watson-Standard Co.

RUST REMOVERS

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Coastal Chemical & Equipment Co.
Coastal Chemical Corp.
Delto Producta Co.
Diamond Chemical Co., Inc.
Dil'Pont de Nemours, E. I., & Co., Inc.
Friend Soap Co.
General Chemical Div., Allied Chemical Corp.
Greenville Chemical Co.
Hachik Bleach Co.
Hood Chemical Corp.
Huntington Laboratories, Inc.
Johnson Chemical Industries, Inc.
Johnson Chemical Industries, Inc.
Johnson W. F., Producta Co.
Kenco Chemical Co., Inc.
Keystone Aniline & Chemical Co.
Keystone Aniline & Chemical Co.
Keystone Lubricating Co.
Keonataman, H., & Co., Inc.
Lustrol Drycleaning Producta Co.
Merson Producta Co.
National Chemical Sales Co., Inc.
Oakite Products Co.
Patek & Co.
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Polymski Chemicals Corp.
Peters Co., Div. Toledo Paint & Chemical Co.
Riverside Chemical Co., Inc.
Street, R. R., & Co., Inc.
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Union Carbide Chemicals Co., Div. Union Carbide
Corp.
Victor Chemical Works
Wilson, A. L., Chemical Co.

SAFETY AND RELIEF VALVES

See: Valves, Safety

SAFETY CANS

SAFETY EQUIPMENT

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SAFETY GUARDS

Industrial Products Co., Rich, Phil, Fan Mig. Co., Inc.

SAFETY PINS See: Pina, Safety

SAFETY SWITCHES See: Switches, Safety, Electric

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Elliot, Robert, Press, Inc.
Hub Printing Services
International Tag & Salesbook Co.
Liberty Marking Tag Co, inc
Moore Business Forms, Inc.
New England Business Service
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Rubmoll, M., Inc.
Stry-Lenkoff Co.
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Standard Register Co.
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SALES PROMOTION MATERIAL See: Advertising and Sales Promotion Material

SALES RECORDING REGISTERS

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Automatic Salesbook Co.
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Carey Salt Co. Industrial Products Co. International Salt Co. Jefferson Island Salt Co., Inc.

SALT TABLETS AND DISPENSERS

General Scientific Equipment Co.
Industrial Products Co.
International Salt Co.
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SAWDUST, FUR CLEANING

See: Fur Cleaning Supplies

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Chatillon, John, & Sons
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SCRUBBING MACHINES, FLOOR See: Floor Cleaning, Scrubbing and Polishing

SCRUBBING MACHINES, GARMENT

Hopkins Equipment Co.

SCRUBBING MACHINES, RUG AND CARPET

See: Rug and Carpet Scrubbing Machines

SCRUB TUBS

See: Tubs, Scrub

SEALING MACHINES

Better Packages, Inc.
Dixie Hanger Co.
Ideal Stenici Machine Co.
Nashua Corp.
Mational Marking Machine Co.
Technical Tape Corp.
Time Bavers, Inc.

SEALING MATERIALS, FLOOR

See: Floor Sealing and Repair Materials

SEALS

See: Labels and Seals

SEAM AND COLLAR DAMPENERS

See: Dampeners, Collar and Seam

SEAMLESS TUBING

See: Tubing, Seamless, Flexible Metal, or Tubing, Seamless Steel

SECOND-HAND MACHINERY

See: Machinery, Used and Rebuilt

SEPARATORS, AIR See: Air Separators

SEPARATORS, OIL AND STEAM

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Anderson, V. D., Co., Div., International Basic
Economy Corp.
Cochrane Corp.
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Drico Industrial Corp.
Johnson Corp.
Marshall Heater Co.
Strong, Carlisle & Hammond Div.
Velan Engineering Co.
Wright-Austin Co.

SESQUICARBONATE, SODIUM

See: Sodium Sesquicarbonate

SESQUISILICATE, SODIUM See: Sodium Sesquisilicate

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See: Ejectors, Sewage

SEWAGE PUMPS

See: Pumps, Sewage

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See: Sewing Machines

SEWING MACHINES, BLIND-STITCH

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Columbia Sewing Machine Corp.
Lewis Invisible Stitch Machine Co.
Mackler, B., & Sons
Singer Sewing Machine Co., Industrial Sales Dept.
U.S. Blind Stitch Machine Corp.
Willcox & Gibbs Sewing Machine Co.

SEWING MACHINES, BUTTON

Chandler Machine Co.
Singer Sewing Machine Co., Industrial Sales Dept.

SEWING MACHINES, FUR

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SEWING MACHINES, MARKING-TAG

Chandler Machine Co., Singer Sewing Machine Co., Industrial Sales Dept.

SEWING MACHINES, TAILORING See: Serving Machines

SEWING MACHINES, UPHOLSTERY

See: Sewing Machines

SEWING MACHINES, ZIG ZAG

See: Sewing Machines

SHAKERS, FLATWORK

See: Flatwork Shakers

SHAKE-OUT TUMBLERS

SHAPER-DRIERS, GARMENT

SHAPERS, COLLAR

American Laundry Machinery Bishop Freeman Co. **Key-Tag Checking System Co.** New York Pressing Machinery Corp.

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SHAPERS, SLEEVE See: Sleeve Forms

SHEAVES, BELTING

Eagle Belting & Leather Co.

Gates Rubber Co.

Wood, T. B., Sons Co.

Worthington Corp.

SHEET REPLACEMENTS

See: Replacements, Sheets, Pillowcases, etc.

SHEETS, CELLOPHANE

See: Cellophane Products

SHELVING, METAL

Berger Mig. Div., Republic Steel Corp. Bernard-Franklin Co., Inc. Haertel, Walter, Co. Republic Steel Corp. Vara, A. G., & Son, Inc.

SHIELDS, HANGER

See: Hanger Shields and Guards

SHINE REMOVAL

Bestway Shine Removal Co., Inc.

SHIPPING CASES

See: Cases, Shipping

SHIRT BAGS

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Baggraft Corp. of America
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Cade Paper de Bag Corp.
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Century Paper Products Co.
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Tele-Yue Packaging Products, Inc.
Time Savers, Inc.

West Side Corp. Whitman Supply Co., Inc.

SHIRT BAGS, DRESS-SHIRT See: Bage, Dress-Shirt

SHIRT BANDS

See: Bands, Paper

SHIRT BASKETS

See: Baskets, Shirt

SHIRT BOARDS

Andrew Paper Box & Bag Corp.
Bond Street Bag & Paper Corp.
Brooks, Aifred J.
Century Paper Products Co.
Cornell Paperboard Products Co., Div. St. Regis Paper Co. Dixie Hanger Co. Empire Cardboard Corp.

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SHIRT BOXES

See: Bozes, Fiber and Paper

SHIRT CARRIAGES

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SHIRT CONVEYORS See: Conveyors, Shirt

SHIRT EMBLEMS

See: Emblems

SHIRT ENVELOPES, CARDBOARD See: Shirt Baas

SHIRT ENVELOPES, CELLOPHANE See! Shirt Bage

SHIRT ENVELOPES, GLASSINE

See: Shirt Bags

SHIRT ENVELOPES, PAPER

SHIRT FINISHING AND FOLDING MACHINES

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SHIRT PACKAGING

See: Packaging, Laundry

SHIRT PRESSES

See: Presses, Shirt

SHIRT PROTECTORS

See: Protectors, Shirt

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See: Replacements, Sheets, Pillowcases, Shirts

SHIRT SALES PLANS

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American Laundry Machinery Co.
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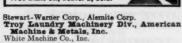
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ALROLENE 58, synthetic drycleaning detergent, Hope Chemical Co.
ALROMINE, RU109, diaper and cotton softener, Hope Chemical Co.

Hope Chemical Co.

ALROPEL, dry size and water repellents, Hope Chemical Co.

ALROSNE 31, synthetic detergent, Hope Chemical

ALROSEPT, germicide and fabric softener, Hope Chemical Co.

Chemical Co.

ALROSOL, wetting agent and penetrant, Hope Chemical Co.

ALROWET, wetting agent, Hope Chemical Co.

ALSEN, oil cups. Lukenheimer Co.

ALTON, air conditioning, evaporative, ventilating systems, Alton Mfg. Co.

ALUMATTIC, shutters, Phil Rich Fan Mfg. Co.,

ALUMEX 50, 60, 70, high alumina firebrick, kiln liners, Mexico Refractories Co.
ALUMINUM OILITE, bearings and parts, Chrysler

Corp.. Amplex Div., Dearings and parts, Caryaser Corp.. Amplex Div. ALUMIVAN, aluminum body, multi stop delivery trucks, Divco Truck Div., Divco-Wayne Corp. ALVOR, oil control, Lunkenheimer Co.
AMACEL, acetate dyes, American Aniline Prod-

ucts. Inc AMAFORM, dyeing agent, American Aniline Prod-

ucts. Inc AMALIE, oils and greases, L. Sonneborn Sons, Inc. AMANIL, dyestuffs, American Aniline Products, AMAPRO UNION, aniline dyes, American Aniline

AMAPRO UNION, aniline dyes, American Aniline Products, Inc.
AMAZON, washing powder, Swift & Co.
AMBASSADOR. continuous towel cabinet, Amhassador Continuous Cabinet Co.
AMBASSADOR, synthetic solvent drycleaning unit, Detrex Chemical Industries, Inc.
AMBER, all-metal sleeve board, sleeve form, sleeve press board, press clamp, steam iron stand, iron rest, pants stretcher, marking pen, Amber Mig. Co.
AMBER GRANULES, FLAKES, POWDER, high titer neutral soap in granular form, Proctor & Camble Distributing Co.
AMBER METHOD, reweaving process, Amber School of Reweaving
AMCO, vinyl plastic link matting, American Mat Corp.

AMCO, vinyl plastic link matting, American Mat Corp.

AMERICAN, continuous towel cabinets, paper towel cebinets, Steiner Sales Co.

AMERICAN, curtain and blanket finishing equipment, American Laundry Machinery Co.

AMERICAN, drying and deodorizing cabinet, American Laundry Machinery Co.

AMERICAN, flatvork feeder and spreader, American Laundry Machinery Co.

AMERICAN, high-speed tumblers, American Laundry Machinery Co.

AMERICAN, laundry and drycleaning solid-curb extractors, American Laundry Machinery Co.

AMERICAN, paint and grease removing solvent, Adco. Inc.

Adco. Inc.

AMERICAN, starch cookers, American Laundry
Machinery Co.

AMERICAN, water meters, Buffalo Meter Co.

AMERICAN, wearing apparel, linen supply and
other special-purpose press units, American
Laundry Machinery Co.

AMERICAN AIRCRAFT, tumblers, American Laundry Machinery Co.

AMERICAN AUTOMATIC, drycleaning tumblers, temperature controls, American Laundry Ma-

chinery Co.

AMERICAN BEAUTY, commercial laundry and tailor type electric flatirons, American Electrical Heater Co.

AMERICAN BEAUTY, rubber link matting, American Mat Corp.

AMERICAN CASCADE, washers, American Laundry Machiner. Co.

dry Machiner, Co.

AMERICAN FORMATIC, shirt unit, American

Laundry Machinery Co.

AMERICAN-LA FRANCE, fire extinguishers,
motorized fire-fighting apparatus, American-La France-Foamite Corp.

AMERICAN MICRO, sponge mats, American Mat

AMERICAN MICRO, sponge mats, American Mat Corp.

AMERICAN MODEL: "S," super-and master froners, American Laundry Machinery Co.

AMERICAN MUROZA, feather cleaning and sterilizing systems, American Laundry Machinery Co.

AMERICAN O. T., drycleaning extractor, American Laundry Machinery Co.

AMERICAN-FIAZZA, sludge accumulator stripper for use with synthetic drycleaning units, American Cleaners Equipment Co., Div. American Laundry Machinery Co.

AMERICAN SUPER SPEED, tumblers, American Laundry Machinery Co.

AMERICAN SYSTEM, shirt conveyor and presses, American Laundry Machinery Co.

AMERICAN TYPE A and TYPE C, semi-automatic washer controls, American Laundry Machinery Co.

matic washer controls, American Launury Sus-chinery Co.

AMERICAN VISIBLE, hand numbering machine, American Numbering Machine Co.

AMERICAN ZONE-AIR, feather reconditioning unit, American Laundry Machinery Co.

AMERICAN ZONE-AIR, laundry and drycleaning tumblers, American Laundry Machinery Co.

AMERIFLEX, wood link matting, American Mat Corm.

Corp.
AMES, boiler engines, etc., Ames Iron Works, Inc.
AMESTEAM GENERATOR, "packaged" firetube,
steam or hot water boilers, Ames Iron Works,

AMINOL, drycleaning detergent, Trico Chemical Div., Tri-State Equipment Co.

AMMOCIDE, laundry sterilizer, mildew preventative, Carlton Chemical Co., Inc.

AMMUM, wear-resistant metal for traps, valve parts, Strong, Carlisle & Hammond Div.

AMOREDTEX, extractor covers, Patek & Co.

AMPERE, canvas sttched belting, Victor Balata & Textile Belting Co.

AMSCO, high-flash Stoddard solvent, 140° F solvent, special naptha, American Mineral Spirits Co.

AMYLIN, laundry starches, National Starch Prod-

ncts, Inc.
AMYL-SOL, synthetic amyl acetate, Warco Laboratories, Inc.
ANACONDA A-X TUBING, expansion joint tubing, Anaconda Metal Hose Div., Anaconda American Brass Co.

American Brass Co.

ANACONDA FLEXIBLE HOSE AND TUBING,

flexible, metal hose and tubing and connectors of Teflon, Anaconda Metal Hose Div., Anaconda American Brass Co.

or renon, Anaconda Meda Hose Div., Anaconda American Brass Co.

ANCHOR ALKALI, alkali cleanser, Solvent Process Div., Allied Chemical & Dye Corp.

ANDERSON, patented collar supports, Anderson Collar Support Co.

ANDERSON, pipe-line strainers, steam traps, V. D. Anderson Co.

ANDERSON EASY-LOCK, drapery protector, Anderson Specialty Mig. Co.

ANDREW, ball and roller bearings, bronze bushings and steel balls. Andrew Parts Mig. Co.

ANGELICA, men and women's uniforms, Angelica Uniform Co.

ANHYDRO, spotting agent. A. L. Wilson Chemi-

Uniform Co.
ANHYDRO, spotting agent, A. L. Wilson Chemi-

cal Co
ANOLITE, moisture dispersing agent for charged
systems. R. R. Street & Co., Inc.
ANSUL, fire extinguishers, Ansul Chemical Co.
ANTHONY, oil burners, pipe-line strainers, valve,
Anthony Co.
ANTHONY NEBULYTE, gas, gas-oil, oil burners,
torches, Anthony Co. ANTI-CRUSH, double collar supports, J. W. Steel

ANTI-HYDRO, leather belting, waterproof co-ment. Webb Belting & Supply Co. ANTI-R-G, anti-rolling compound, Gibraltar Fab-rics. Inc

rics. Inc
ANTI-LINT, anti-static and lint concentrate, Signal Chemical Mfg. Co., Inc.
ANTI-ROLL, checks rolling on flatwork ironers,
H. Kohnstamm & Co., Inc.
ANTISEPTIC HUNTOLENE, germ controller.
Huntington Laboratories
ANTI-WINE, liquid bleaching agent for spotting,
Warco Laboratories, Inc.
ANVIL-PUMICE, toilet soaps, Los Angeles Soap
Co.

Co.
Al-A2, sudsy and clear ammonia, Reslabs, Inc., Div., Linco Products Corp.
APACHE, soap builder, Wyandotte Chemicals Corp., B. Ford Div.
APCO 125, deodorized, drycleaning solvent, Anderson-Prichard Oil Corp.
APCO 140 F, dry cleaning solvent, Anderson-Prichard Oil Corp.
APCO-WATER SAVER, water regulator, Appliance Service Co.

APEX WASH-A-MATIC, 8-pound automatic laundry washer, Apex Rotarex Corp.
APPLECATE, indelible ink (silver base), laundry marking pens, linen marking machine (hand, foot and motor power), Applegate Chemical Co. APPLICET, powdered alumnum acetate, Arnold-Hofman & Co., Inc.
AQUA-DILECTRIC, water treatment equipment, Aqua Electric Scale Control, Inc.
AQUA-BLECTRIC, water treatment equipment, Aqua Electric Scale Control, Inc.
AQUA-MIZER, water recirculator, Excelsior Machinery Co.

AQUA-MIZER, water recirculator, Excelsior Machinery Co.
AQUANOL, wire and cable, General Electric Co.
AQUASTEAM, pressing iron system, Automatic
Steam Froducts Corp.
AQUAWAX, self-emulsifying lubricant wax, Concord Chemical Co.
ARABOL, starch, Arabol Mfg. Co.
ARBOGAST, system of condensate control, Southern Machinery Co.
ARBUTUS, soap, Minnesota Chemical Co.
ARCITC, fire extinguishers, American-La France-Foamite Corp.

Foamite Corp.
ARCTIC CIRCLE COOLERS, evaporative cool-

ARCTIC CIRCLE COOLERS, evaporative coolers, Excelsior Machinery Co.
ARCTIC CRYSTAL, all-tailow soap and granulated flakes, Colgate-Palmolive Co.
ARCTIC SYNTEX, H. D., M, 036, synthetic detergents, Colgate-Palmolive Co.
ARDMOR, bulk soap and bleach, packaged detergents and bleach, Ardmor Chemical Co.
ARIDEX, renewable water repellent, E. I. du Pont de Nemours & Co., Inc.
ARIDZONE, synthetic zeolite water softener, Elgin Softener Corp.
ARISTOCRAT, pillow tickings, R. Lally Co.
ARISTOCRAT, safety pins, William Prym, Inc.
ARISTOCRAT, steel file cabinets, Remington Rand, Inc.

Rand, Inc. ARISTOCRAT, match book, Universal Match

Corp.

ARISTOMATIC, drycleaning machine and recovery-synthetic, Pinnacle Products Corp.

ARK-VAK, leather belting, Philadelphia Belting

Co.
ARLAC, alkali, soap builder, Wyandotte Chemicals Corp., J. B. Ford Co.
ARMA, identification systems, marking machines, daily delivery tags, roll tags, loop tags, dispenser tags, day tags, indelible ink, safety pins, roll tags, Pittsburgh Tag Co.
ARMA-MATIC, staplers, stapling machines, Pittsburgh Tag Co.

burgh Tag Co. ARMEN "98," all purpose spotter, Armen Chemicals, Inc.
ARMITE, anti-seize compound, thread lubricant, joint seal compound, gasket paste, Armite Labo-

ARMORBELT, metal belt conveyor, M-H Stand-

ard Co.

ARMOR-TREDS, molded heavy duty rubber stair treats, American Floor Products Co.

ARMORTUBE, pneumatic armored tubing, Bailey Meter Co.
ARMOUR'S, 40% pure coconut liquid soap for rugs. Armour & Co., Industrial Soap Dept.
ARMOWAX, domestic hard wax, Armour & Co.

ARMOWAA, domestic hard wax, Armour & Co.
ARMSTRONG, humidifiers, strainers, pipe line,
steam traps, Armstrong Machine Works
ARMS, 1270, nylon, wool press cloth, Arms Textile Mig. Co.
ARRESTO-MOTH, mothproofing compound, Pennsalt Chemicals Corp.
ARROW Recognition of the Co.
ARROW Recognition of the Co.

salt Chemicals Corp.

ARROW, sponge pads, Arrow Mfg. Co.

ARROW, stablers, staples, staple removers, automatic staple tackers, Arrow Fastener Co., Inc.

ARROW, wood tanks, tubs, cylinders, outside thells, vats and washers, Arrow Tank Co., Inc.

ARROW BAG AND PAD, bag and padding for trouser toppers, Arrow Mfg. Co.

ARROW DURA GREEN COVER N PAD, padding for dry cleaning machines, Arrow Mfg. Co.

ARROW ECONOMY PAD, padding for garment presses, Arrow Mfg. Co.

ARROW LAUNDRO-PAD, laundry press pad, Arrow Mfg. Co.

ARROW LAUNDRO-PAD, laundry press pad, Arrow Mfg. Co.

ARROW LINE, hat renovating, manufacturing and blocking machinery, American Hatters Supplies, Inc.

ARROW P22, hand stapler, Arrow Fastener Co.. ARSECO, washing compounds and specialties.
alcoholic type anti-freeze, Riverside Chemical

ARVAN STROF-O-MATIC, solvent filter, Arvan

ASBESTALL, blended nylon and asbestos press cloths, U. S. Rubber Co., Textile Div.

ASBESTEX, asbestos covers, X. S. Smith, Inc.
"ASBESTO", pressing machine protective be
F. H. Bonn Co.

F. H. Bonn Co.
ASBESTON, chest-type flatwork ironer cover,
U. S. Rubber Co., Textile Div.
ASCO, solenoid valves and electromagnetic control, Automatic Switch Co.
ASHVEYOR, paeumatic conveyor system, Brady
Conveyor Corp.
ASSEMBLY ARC, fittings to facilitate assembly of
garments, Time Savers, Inc.
ASSISTEES, concentrated drycleaning soap, R. R.
Street & Co., Inc.

ATLAS, hand-type tape sealing machine, Time Saver, inc.
ATLAS, truck bodies, Atlas Body Co.
ATLAS FIRE RETARDANT, flameproof agent, H. Kohnstamm & Co., Inc.
ATLAS GRAVITY FEEDER RACK, for flatwork ironers, Atlas Steel Products, Inc.
ATLAS MOISTURE CONTROL, for control of moisture retention in laundry extractors, Atlas

Steel Products, Inc.
ATLAS RUST SOUR, sour, H. Kohnstamm & Co.,

Inc.
ATOMIC, drycleaning systems, wet washers, Hammond Laundry-Cleaning Machinery Co.
ATOMOL, drycleaning filter sonp with antiseptic and motheroofing, A. F. Wolke Co.
ATTASOL, colloidal clay, Attapulgus Clay Co.
ATTORIS, rur glaze and cleaning fluid, Bernard

ATTORIS, fur glaze and cleaning fluid, Bernard Sirotta Co.

AUNTY LINT, static and lint eliminator, Signal Chemical Mfg. Co., Inc.

AUTO-BAGR, air operated garment bagger, Automatic Specialities, Inc.

AUTO-CHECK, system of subsorting and checking, Automatic Specialties, Inc.

AUTO-CLEAN, combination washer-extractor for synthetic solvent, Carter Machinery Co.

AUTO-CYCLER, automatic cleaning washer-extractor, Washer Machinery Corp.

AUTO-CREDER, supply feeder, open end washer, Bill Glover, Inc.

Bill Glover, Inc.
AUTOGRAPHIC, registers, business forms, Autographic Register Co.
AUTO-LEVEL, boiler return system, valves, Spotswood Parker & Co.
AUTO-LITE, gauges, indicating and recording thermometers, Electric Auto-Lite Co.
AUTOMATIC, lubricators, Victor Lubricator Sales Co.

AUTOMATIC, lubricators, Victor Lubricator Sales Co.
AUTOMATIC, spray gun, OlsonMark Corp.
AUTOMATIC PALLET LOADER, automatic stacking of cartons, Lamson Corp.
AUTO-MISER, drycleaning tumbler, Prosperity Co. Inc., Div. Ward Industries Corp.
AUTO-PER, synthetic solvent drycleaning unit, Vic Cleaning Machine Co.
AUTO FOWR-RAIL, garment hanger conveyor, Automatic Specialties, Inc.
AUTOSET, a type of free-vane air-operated controller, Bristol Co.
AUTO TROL, automatic control-open end washer, Bill Glover, Inc.
AVAICA, Surface active agent, E. I. du Pont de Nemours & Co., Inc.
AVITEX, surface active agent, E. I. du Pont de Nemours & Co., Inc.
AXIAL-FILOW, exhaust fan, DeBothezat Fans Div., American Machine & Metals, Inc.
AXTEX, first quality, stiff mud firebrick, Mexico Refractories Co.

B & B, press pad combination, R. Lally Co. B.N.B., collar support, clasp, loop, J. W. Steele &

Co.

B-X, bloodstain remover, John P. Lynch Co.

BABSOLV, spotter and lubricant, Slater-Robbins

BABSOLV, spotter and lubricant. Slater-Robbins Co., Inc.
BABSTOD, concentrated drycleaning soap, Slater-Robbins Co., Inc.
BABSTOD, ipstick and paint remover, Slater-Robbins Co., Inc.
BABTEX, lipstick and paint remover, Slater-Robbins Co., Inc.
BABY GUARD, diaper pins, Risdon Mfg. Co.
BAB-ZYME, digester, Slater-Robbins Co., Inc.
BADGER, break powder, Minnesota Chemical Co.
BAFFLE-CRETE, first quality castable for baffle construction, Mexico Refractories Co.
BAG-IT, polyethylene garment bags, Magic Seal Packaging Products
BAG N' NET, holder, Time Savers, Inc.
BAG-O-MATIC, combined bagger, invoice desk, bag storage rack, Bishop Freeman Co.
BAG-O-TEER, garment bagger, Bishop Freeman Co.

CO.

BAG-O-TERIA, tear-pruf transparent plastic or paper bagging, Bishop Freeman Co.

BALANCED DRIVE, washers, Troy Laundry Machinery Div. American Machine & Metals, Inc.

BALSAM-WOOL, blanket insulation, Wood Con-

BALSAM-WOOL, blanket insulation, Wood Conversion Co.
BAN, instant-acting deodorant. Lustrol Drycleaning Products, Div. Patek & Co.
BANNER, lubricator, Lunkenheimer Co.
BANNER BRAND, button, buckle, pinking, fluting, pleating, darning machines, Maxant Button & Supply Co.
BANTAM, autographic registers, Autographic Register Co.
BANTAM, net, Southern Mills, Inc.
BANTAM, one-girl shirt unit, Forse Corp.
"BANTAM" SHIRTMASTER, one-girl shirt unit, Forse Corp.

Forse Corp.
BANTAM TRANSIT BUS, bus, Divco Truck Div.,

Divco-Wayne Corp.

BARBER-COLMAN, electric door operators and controls, Barber-Colman Co.

BARCO, flexible steam, revolving and swing joints,

Barco Mfg. Co.

BARCOI, overhead doors, Barber-Colman Co.

BAR-KEY, positive identification system, Barker
Mfg. Co.

BARKEY, net and marking pins, Barker Mfg. Co.

BARLEY, knitted nylon nets, X. S. Smith,

Inc.
BARNEY, traps, Lakewood Mfg. Co.
BARRELED SUNLIGHT, enamels, paints, varnishes, Barreled Sunlight Paint Co.
BARRETT SPECIFICATION, roofing pitch and roofing felt, Barrett Div., Allied Chemical & Div. Comp.

rooing felt, Darrett Die, John Schotter, Dye Corp.

BAR RUST, exterior and interior inhibitive paint for steel and pipe, Midland Paint & Varnish Co.

BASE CONCENTRATE, paint and grease remover, Lustrol Drycleaning Products, Div. Patek & Co.

BASE D. C. S., emulsifier, Adoc, Inc.

BASEX, zeolite, Hungerford & Terry, Inc.

BASKE TRUCK, wire basket truck, Bishop Free-man Co.

man Co.

BEACHRITE, built soap for hot water washing,
Keever Starch Co., Keever Beach Div.

BEACON, bluing, Hood Chemical Co., Inc., Cres-

cent Div.
BEADS-O-BLEACH, spray dried bleach, Purex
Corp. Ltd., Industrial Div.
BEATS-ALL, covers, nets, padding, Tingue,
Brown & Co.

Brown & Co.
BEAUTY-BLUE, laundry blue, Speare Co.
BEAUTY-TEX-DRY, textile sizing, Signal Chemical Mfg. Co., Inc. BEAUTY-TEX-WET, wet sizing, Signal Chemical

Mig. Co., Inc.

BEAVER, pipe and bolt cutting and threading hand tools and machines, Beaver Pipe Tools,

Inc.

BEAVER LUSTER, fur luster, Nycco Products Co.

BEEHIVE, spring padding, Western Laundry

Press Co.

BELJO, starch, A. E. Staley Mfg. Co.

BELLMASTER, mechanical pipe joint for cast-iron

pipe, Dresser Mfg. Div., Dresser Industries, Inc.

BELT-ZIP, belt hanger, Para-Lux Products Co.

BENDA, drycleaning soap, Benda Products, Inc.

BENDASIZE, wet sizing, Benda Products, Inc.

BENDASIZE DRY, permanent dry sizing, Benda

Products, Inc.

BENDASIZE DIKI, permanent of Products, Inc.
BENDA SOLV, oil paint and grease remover, Benda Products, Inc.
BENDA SPEED, heavy spotter for oil, paint and grease, Benda Products, Inc.
BENDA-ZYME, digrester, Benda Products, Inc.
BENDIX, seamless flexible metal hose, Eclipse-Pioneer Div., Bendix Aviation Corp.
BENDIX WEC, washer, Bendix Commercial Laundry Div., Aveo Mig. Co.
BEN HUR, built synthetic detergent powder, Colgate-Palmolive Co.

gate-Palmolive Co.
BENTON SOL-TEMP, solvent temperature control
unit, Benton Sol-Temp Co.
BENZINE, paste drycleaning soap, Patek & Co.
BENZINE, Daste drycleaning soap, Patek & Co.
BENZOCARDINOLE OXO, detergent, Apex

Chemical Co., Inc.

BERGER, steel lockers, shelving, cabinets, bins, benches, desks and tables, Republic Steel Corp.

BERKSOL, drycleaning soap, Stadham Co., Inc.

BERKSUDS, synthetic detergent, Stadham Co., Inc.

Inc.
BERKZYME, spotter, Stadham Co., Inc.
BERLOU SPRAY MOTHPROOFER, mothproofing
agent, Berlou Mfg. Co.
BERSENE BEADS, synthetic detergent, Stadham

Co., Inc.
BERSONITE, built soaps, Stadham Co., Inc.
BESLER, steam generators, superheaters, Besler

Corp.
Corp.
BESTAPE, nylon flatwork ironer tape, Tingue,
Brown & Co.
BESTEEL, stainless steel flatwork ironer padding,
Tingue, Brown & Co.
BESTEEL, straight pins, Fleischer Mills, Inc.
BEST-EVER, asbestos press covers, R. Lally Co.
BEST FORMS, tag identification systems, Best
Forms C.

BEST FORMS, tag identification systems, Best Forms Co.
BESTO, synthetic wetcleaning detergent, Nu-Pro-Mig. Co.
BESTO, synthetic wetcleaning detergent, Nu-Pro-Mig. Co.
BESTOS, naloestos ironer roll dressings, Tingue, Brown & Co.
BESTOS, asbestos ironer roll dressings, Tingue, Brown & Co.
BESTYMAY, drycleaning soap, Dello Products Co.
BESTWAY, drycleaning soap, Dello Products Co.
BESTYET, cellophane ribbon, cotton twines, New York Twine Corp.
BETTER PACE, carton taping equipment, manual and electric, Better Packages, Inc.
BIFURCATOR, duct fan. DeBothezat Fans Div., American Machine & Metals, Inc.
BIG BERTHA, laundry and drycleaning tumbler, Hovt Mig. Corp.
BIG BOY, automatic tape sealing machine, Time Savers, Inc.

Savers, Inc.
BIG CHIEF, laundry nets, Southern Mills, Inc.
BIG CHIEF, truck tires, Mohawk Rubber Co.
BIG CHIEF, wood washers, Illinois Laundry Ma-BIG CHIEF, wood washers, Illinois Laundry Ma-chinery Mfg. Co. BIG 'D', spotting board deodorant, Le Fevre Chemical Co.

BIG 'D' DEODORANT, plant odor control, Le

Fevre Chemical Co. BIG FOUR, firebrick, Mexico Refractories Co. BIG 4, stripper, 6-5-lb. cans to case, Eaton Chemical & Dyestuff Co.

BIG HORN, bentonite clay, Wyotana Mining Co. BIG HORN WYOMING, colloidal clay, Wyotana

BIG INCH, pressure-sensitive tape dispensers, Better Packages, Inc. BIGMOUTH, shake-out tumbler, Purkett Mfg. Co. BIG SAVAGE, high heat duty firebrick, Mexico

Refractories Co.
BIG SAVAGE SUPER, firebrick, Mexico Refrac-BILLBOARD, match book, Universal Match Corp. BILLMYRE DRYSET, vacuum system, Lamson

Corp.
BILT, soap base break compound, Proctor & Gamble Distributing Co.
BILVIS-X, detergent and soap builder, Warco La-

boratories, Inc.
BIOPALS, germicidal detergents, General Dyestuff Corp.
BISHOMATIC, thumb-controlled steam-electric iron, Bishop Freeman Co.
BISHOP COMFORTOP, presshead insulator,

Bishop Freeman Co. BISHOP LAYBACK, collar-former, Bishop Freeman Co.
BISHOP LEAK-PRUFD, flexible hose, Bishop

Freeman Co.

BISHOP LIFETIME TRUCK TUBS, laundry truck
tubs, laundry and drycleaning appliances and
light production equipment, Bishop Freeman

Co.
BISHOP MULTITIER, sectional sorter, transporter, Bishop Freeman Co.
BISHOP TRIANGULAR LAYBACK BUTTONER POST, dries and preforms collar for layback blocks, Bishop Freeman Co.
BISONITE, plastic coating, Washine National Sands, Inc.
BIXLER, hanger conveyor, National Marking Machine Co.

BLACK BEAUTY STRUT HANGER, hangers, W. A. Laidlaw Wire Co.

BLACK DIAMOND, roofing pitch and felt, Barrett
Div., Allied Chemical Corp.

BLACK LINE, knitted padding, Minnesota Chemi-

Cal Co.

BLACK MAGIC, triple strength activated carbon,

BLACK MAGIC, triple strength accompound, gasket Adco, Inc.
BLACK MAGIC, pipe-sealing compound, gasket cement, Bowser, Inc.
BLACKMER, rotary hand and power pumps, Blackmer Pump Co.
BLANCH-STIK, stain remover, Keystone Aniline & Chemical Co., Inc.
BLANCO, all-fabric stripper, Keystone Aniline & Chemical Co., Inc.

Chemical Co., Inc.
BLANKETMASTER, blanket washing machine,
Hopkins Equipment Co.
BLEACH RITE, stripper, Coastal Chemical Corp.
BLENCO, rug cleaning sour, Blenco Co.
BLENDSOL, spray spotter, R. R. Street & Co.,

BLIM, low foam rug detergent, Tower Chemicals, BLIX, high foam rug detergent, Tower Chemicals,

Inc.
BLOK-RITE, sweater finishing process and machine, Newhouse Specialty Co., Inc.
BLOOD BLASTER, blood stain remover, Ro-Wash
BLOOD-I-CATER, spot remover, W. F. Johnson

Products Co. BLOOD-MUV, stain remover, Package Chemical

BLOOD-MUV, stain remover, Package Chemical Co., Inc.
BLOD-PLUS, spotting aid, Ink-O Products Co. BLOD-PLUS, spotting aid, Ink-O Products Co. BLOD-R-VAC, water pickup cleaner-vacuum, Ideal Industries, Inc.
BLUB-X, concentrated liquid enzyme, Huntington Laboratories, Inc.
BLUE BONNET, blue, H. Kohnstamm & Co., Inc.
BLUE BONNET, blue, H. Kohnstamm & Co., Inc.
BLUE BONNET, blue, H. Kohnstamm & Co., Inc.
BLUE BOY, hoists, Chisholm-Moore Hoist Div.,
Columbus McKinnon Corp.
BLUE LABEL DARCO DC, activated carbon,
Darco Dept., Atlas Powder Co.
BLUE LABEL FLAKES, neutral soap, Keever
Starch Co., Keever Bleach Div.
BLUE LABEL POWDER, neutral soap, Keever
Starch Co., Keever Beach Div.
BLUE LINE, collar supports, hangers, shirt bands,
necktic hangers, Loroco Industries, Inc.
BLUE RIBBON, polishes, waxes, International
Mctal Polish Co.
BLUE RIBBON, asbestall, foam press covers and
combination pad and cover, Norjac Foam &
Fabric
BLUE RIDGE, leather belting, waterproof leather

Fabric
BLUE RIDGE, leather belting, waterproof leather
belting. Charlotte Leather Belting Co.
BLUE STAR, feed ribbons, New York Belting &

BLUE STAR, feed ribbons, New York Belting & Packing Co.

BLUE STREAK "Super D," nylon and dacron nets. Whitehouse Nylon Products

BLUE-TINT, sour and blue combination, Johnson Chemical Industries, Inc.

BLUFIXE, sour, H. Kohnstamm & Co., Inc.

BLUFIXE EXTRA-SOLUBLE, sour, H. Kohnstamm & Co., Inc.

BLUTONE, liquid blue, E. F. Drew & Co., Inc.

BUTONE, liquid blue, E. F. Drew & Co., Inc.

BOK WHITE, bleach, Dello Products Co.

BOCK, Tycleaning laundry extractors, Bock Laundry Machine Co.

BOCKETTE, open end washers, Bock Laundry Machine Co.

BOCK-O-MATIC, extractors, Bock Laundry Ma-

BODYMASTER, two-girl cabinet type shirt unit, Forse Corp.

BOILA KLEEN, boiler compound, Patek & Co. BOILERMATE DEAERTOR, deaerator, Cleaver-

BOILERTROL, automatic boiler blow-down sys-tems, Boilertrol Corp. BONASOL, textile dyeing assistants, American Aniline Products, Inc. BOND, truck casters, Bond Foundry & Machine

Co.

BONDERITE, corrosion-resistant paint, Tropical
Paint & Oil Co.

BOND SET, silica base bonding mortar, Mexico
Refractories Co.

BOND-WELD, bags, transparent, Chicago Trans-

BOND-WELLD, bags, tanger parent, Inc. BONIS, fur drum, fur sewing machine, Bonis Bros., Fur Machinery Corp. BON-SPUN, nylon press covering (non-slip), F. H.

Bonn Co.
BON-TEX, nylon press covering (slick), F. H. Bonn BON TWIL, 11ylon press covering fabric, F. H.

BON TWIL, 19/10n press covering Isonic, F. S. Bonn Co.

Bonn Co.

Bonn Co.

Bonn Co.

Bonn Co.

Book BY GUARDIAN, wedding gown boxes, Guardian Better-Pak Corp.

BOOKVEYORS, vertical conveyors, Lamson Corp.

BOOYAX, soap dispensers and soap chips, Pacific Coast Borax Co.

BORGANA, boiler water treatment, Strong, Carliale & Hammond Div.

BORNES, charge soap, Borne, Scrymser Co.

BOSTACS, marking tags, Boston Clip & Tag Co.

BOSTACS, marking tags, Boston Clip & Tag Co.

BOSTACH, stoplers and staples, also stencil-matic marking machines, Bostitch, Inc.

BO-TJ DUO, collar support, Time Savers, Inc.

BOUQUET FLORAL, soap, Colgate-Palmolive Co.

BOW, collar support, printed, Package Masters, Inc.

COUNCET stills, filters Bowger, Inc.

BOWSER, stills, filters, Bowser, Inc.
BOW-TIE, collar support, Empire Cardboard BOXIZE, conveyor line, semi-automatic power taping equipment, Better Packages, Inc. BOYERTOWN, special motor truck bodies, Boyer-town Auto Body Works, Inc. BRANFORD, oil burners, Malleable Iron Fittings

Co.
BRAXENE, product for asepsis of linen, Wyandotte Chemicals, Inc., J. B. Ford Div.
BREADY SYSTEM, heat reclaimers, heat exchangers, storage and water heaters, Ludell Mfg.

BREAK-AID, solvent pine oil, Thompson-Hayward Chemical Co. BREAK-O, break powder, Swift & Co., General

Soap Dept. BREAK-PHOS, soap regenerator, Thompson-Hayward Chemical Co. BREAKSYN, break detergent, E. F. Drew & Co.,

BREECH LOCK, cast-steel gate valves, Lunkenheimer, Co. BRESSLER, controls, Bressler Engineering Service BREX, break compound, Procter & Gamble Dis-

tributing Co.
BRIDGEPORT, copper water tubing, Bridgeport BRIGHTGLO, wetcleaning detergent, Merron

Products Co.

BRIGHT WHITE, liquid swiss fluorescent whitener, Ultra White Co., Inc.

BRIGHTWHITE, sour, Johnson Chemical Indus-

tries, Inc.
BRIGHTWHITE B and C, sour, blue and optical bleach, Johnson Chemical Industries, Inc.
BRIGHT WHITE BACTO STAT 500, liquid bacto BRINE-O-LATOR, water-softening equipment, Carry Salt Co.

BRISTO head cap screws, Bristol Co.

nead Cap Screws, DISHOI Co.

BRISTOL'S, instruments, Bristol Co.
BRISTOL'S, instruments, Bristol Co.
BRISTOL'S, instruments, Bristol Co.
BRITE, paste drycleaning soap, Keystone Aniline
& Chemical Co., Inc.
BRITE-WAL, cellophane and paper combination
bags, Comet Envelope & Paper Co., Inc.

BRITEWHITE, laundry blue, Washine Chemical
Corp.

Corp.

BRI-TEX, drycleaning soap, Diamond Chemical Co., Inc.

BRITEX, sours, powdered soap, Van Chemical Co. BRI-TONE, drycleaning concentrate, Spix Products

BRIZENE, drycleaning soaps, Patek & Co. BROADBENT, extractor-laundry-centrifugal, Pin-nacle Products Corp.

BROS, hollers, heaters, stokers, tanks, Wm. Bros. Boiler & Mfg. Co. BROWNELL, boilers, heat exchangers, stokers, Brownell Co.

BROX, dri-cut cardboards, Alfred J. Brooks BROXFORMS, shirt boxes, Alfred J. Brooks BRU-CEX, water conditioning feeders and chemicals, Bruner Corp.

BRUNER, mechanical water softeners and water filters, Bruner Corp. BRUNNER, air compressors, air conditioners, re-frigeration condenser, Brunner Div., Dunham-Bush, Inc.

BRUSHAWAY, mechanized brush spotting ma-chine, McCleary Bros., Inc.

BRUSHENE, hand-brushing soap, Keystone Aniline & Chemical Co., Inc.
BRUSH-KLEEN, brushing soap, Adeo, Inc.

BRUSH-OUT, "batch" soap, hand brushing, Caled Products Co., Inc.
BRYAN, boilers, Bryan Steam Corp.
BRYANT "COMMANDAIRE" TWINS, matched heating and air conditioning units, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BRYANT CRYSTALGLAS, glass-lined water heater, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BRYTENE, floor polish, Purex Corp., Ltd., Industrial Div.

BRYTENE, floor polish, Purex Corp., Ltd., Hubstrial Div.
BUBBLE RUB CONCENTRATE, upholstery shamponing Soap, Keystone Chemical Co.
BUCKEYE, drycleaning washer, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
BUCKEYE, soaps, spotters, stain removers, suede leather dressing, water repellent, paint, oil and grease remover, rug and upholstery shampoodeodorants, sizings, Davies-Young Soap Co.
BUCKEYE CLEAN-CHARCE, drycleaning detergent, Davies-Young Soap Co.
BUCKEYE CODE 166, chlorinated solvent drycleaning, Davies-Young Soap Co.

BUCKEYE CODE 160, Chiorinated sorten, cleaning, Davies-Young Soap Co.
BUCKEYE LIQUID RE-VI, garment retexture and water repellents, Davies-Young Soap Co. water repellents, Davies-Young Soap Co. BUCKEYE RAIN-DRY, water repellent, Davies-

Young Soap Co. BUCKEYE TNT, dry size, Davies-Young Soap Co. BUFF, alkali compound, special detergents, E. F. Drew & Co., Inc.
BUFFALO, extractor, filter, still, Gross Machinery

BUK FORM, cabinet bosom press covers, F. H.

BULL DOG, danger flags and clamps, Charleston

Rubber Co.

BULLDOC, nylon laundry nets and press covers,
metal press pads, X. S. Smith, Inc.

BUMINOL, albuminous stains and blood remover,
Spix Froducts Co.

BUNG, special brick for malleable furnaces, dry
press, Mexico Refractories Co.

BUND, bundle-tying machine, B. H. Bunn Co.

BURBAK, cotton padding, Pittsburgh Waterproof
Co.

BURKAY, water heaters, A. O. Smith Corp.
BURKS, boiler feed, condensation return feeds,
turbine, centrifugal pumps and water system,
Decatur Pump Co.
BURMOL, Eaton Chemical & Dyestuff Co.
BURMOL, Eaton Chemical & Dyestuff Co.
BUROUGHS, accounting, adding, bookkeeping,
calculating, cash-registering machines, business
machine supplies, Burroughs Adding Machine

machine supplies, Burroughs Adding Sistence Co.

BUSSARD, spooled pants pocketing collapsible extractor cover. R. D. Bussard & Co.

BUSSARD'S HERCULITE, basket liners and caps, nylon with neoprene coating, R. D. Bussard & Con. BUS-TRUCK CHIEF, truck tires, Mohawk Rubber

CO.

BUTLER, boiler water treatment, mechanical descaler, Butler Engineering Co.
BUTONOLE, hub perforating dye tag, Boston Clip & Tag Co.
BUTTON-NO-BUTTON, loop and clasp, J. W.
Steele & Co.

C & S, cleaning powder, Swift & Co.
C. B., drycleaning detergent, Adco. Inc.
C-H., electrical equipment, Cutler-Hammer, Inc.
C-L, washers, extractors, cylinders, CummingsLandau Laundry Machinery Co., Inc.
CM, flame retardant, E. 1. du Pout de Nesnours &

Co., Inc.
CM, ratchet lever, Chisbolm-Moore Hoist Div.,
Columbus McKinnon Corp.
CMC FORMULA, sixing and finishing compound.
Hercules Powder Co., Huron Milling Div.
CMH, expansion joints, expansion bellows, flexible
metal conduit, Flexonics Corp.

c. Q., iron sequestering regenerator, Speedlite Chemicals Co., Div. Patek & Co.

CABINET, shirt unit, Prosperity Co., Div. Ward Industries Corp.

CABINETROL, control panel equipment, General Electric Co.,
CABINET-SAN, deodorant, Huntington Laboratorics, Inc.

CALED SPRAY SPOTTER, production one-shot spotter, Caled Products Co., Inc.
CALED SUPER C, dry charge soap, Caled Prod-

CALED SUPER C, dry charge soap, Caled Products Co., Inc.

CALGLOW, fabric whitener and brightener, Calgon Co., Div. Hagan Chemicals & Controls, Inc.

CALGON, detergents, metaphosphate, rug cleaning and finishing compound, sizings, sodium
metaphosphate, solvent, lime soap, water conditioners, chemical water softeners, Calgon Co.,
Div. Hagan Chemicals & Controls, Inc.

CALLANET, knitted nylon nets, Callaway Mills,
Inc.

Inc.
CALL-ette, conveyors, Callette Distributors & Supply Inc.
CALROD, fistiron, General Electric Co.
CAL'S CHARGE, wet or dry charge soap, Caled Products Co., Inc.
CALSILITE, pipe-covering blocks, Ruberoid Co.
CAL-SIZE, liquid or powder sizing, Caled Products Co. Inc.

ucts Co., Inc. CAL-STRIP, titanium stripper, Caled Products Co.,

CAL-TEX, saponified oil-solvent blend with soap, Caled Products Co., Inc. CALUSA SHOPTOWEL, dyestuff, Calusa Chemi-

cal Co.

CAMELFORMS, laundry shells, Campbell Box & Tag Co.

CAMELTAGS, laundry tags, Campbell Box & Tag

Co.
CAMEO, starch, A. E. Staley Mig. Co.
CAMERON, pumps, Ingersoil-Rand Co.
CAMP EPOXY FLOOR, floor repairing and resur-

CAMP EPOXY FLOOR, floor repairing and resurfacing. The Camp Co.

CAMPBELL MICRONETIC, water and signal alarms, J. A. Campbell Co.

CANTON, stokers, steam generators, power plant equipment, Canton Stoker Corp.

CAPITAL, marking tags, U. S. Marking Tag Co.

CAPITAL, posters, streamers for window display, Capital Poster Service

CAPITOL, paint and grease remover, Allen & Vickers, Inc.

CARBO, laundry chemical, Diamond Alkali Co.

CARBO-DUR, activated carbon, Permutit Co.

CARBONT, insulators, General Electric Co.

CARBONTET, synthetic cleaning fluid, E.I. du Pont de Nemours & Co., Inc.

CARBO-SOUR, laundry sour, Diamond Alkali Co.

CARBO-SOUR, laundry sour, Diamond Alkali Co.

CARCO-VAN, light truck body, Pacific Car & Foundry Co.

CARCOVAN, ight truck body, racine Car Foundry Co. CARDOGRAPH, addressograph machine, Address-ograph-Multigraph Corp. CAREY, bathroom cabinets, Philip Carey Mig. Co. CAREYDUCT, asbestos cement pipe, Philip Carey

Mfg. Co. CAREY-SOTE, asbestos ceraent board, Philip Carey Mfg. Co. CAREY'S SALT, salt tablets, dispensers, Carey

Carey Mis. Co.

CAREY'S SAIT, salt tablets, dispensers, Carey Sait Co.

CAREY'S SAIT, salt tablets, dispensers, Carey Sait Co.

CARGILLE-WAGNER, distilling unit for drycleaning, General Clarifier Corp.

CARLTONITE, synthetic detergent laundry washing compound, Cariton Chemical Co., Inc.

CARMET, cemented carbide metal, Allegheny Ludlum Steel Corp.

CARNA-CRETE, rubber floor enamel, Continental Car-Na-Var Corp.

CAR-NA-LAC, self-polishing heavy-duty floor wax, Continental Car-Na-Var Corp.

CAR-NA-VAR, upholstery and carpet cleaning machine, liquid spirit wax requiring buffing, Continental Car-Na-Var Corp.

CAROLVER, liquid spirit wax requiring buffing, Continental Car-Na-Var Corp.

CAROLVER, upholstery and carpet cleaning machine, liquid spirit wax requiring buffing, Continental Car-Na-Var Corp.

CAROLVER, revolving changeable letter signs, Carousel Sign Co.

CAROLVER, revolving changeable letter signs, Carousel Sign Co.

CAROLVER, industrial heating, refrigerator systems, Carrier Corp.

CARNY FACK HANDLES, shirt package or bachelor bundle carrying handle (gummed tape), Carry-Pack Co. Ltd.

CARSELEM, nylon press cloth, Carson Textile Co.

CARST-1-TAL, double size platform type collector cart for solided linen, Paul O, Young Co.

CASCADE, mechanical unloading washer, laundry washers, automatic washing control, American Laundry Machinery Co.

CASH-ACME, valves, regulators, A. W. Cash Valve Mig. Corp.

CASHMERE BOUQUET, soap, Colgate-Palmolive

CASH'S, woven names, labels, markers, tape, J. & J. Cash, Inc. CATCH-ALL, vacuum cleaners, Certified Chemi-cal & Equipment Co.

CATERPILLAR, diesel engine, Caterpillar Tractor

CAT TONGUE, press plate for wools, Bishop CAU-FLAN, flannel cotton pads, X. S. Smith, Inc. CAUSUL, metal gate valves and cocks, Lunken-beimer Co.

C-B SYSTEM, condensate booster system, Cochrane Corp.

CEDAR SHIELDS, storage bags, paper, various grades and colors, Rassenfoss Bag Co., Inc.

tories, Inc.
CADET, paper products, Cade Paper & Bag Corp.
CADILLAC TANK, plastic lined hot water storage tanks, Cadillac Engineering
CADILLAC WASHER, 10 lb. capacity coin laundry washer w/2" gravity drain, Cadillac Engi-

neering CALDWELL, tanks and tubs, W. E. Caldwell Co.,

Inc.
CALDYE, dye pads, Calusa Chemical Co.
CALEO. drycleaning, laundry, starch extractors,
wood laundry washer, wood cylinders, California
Laundry Equipment Co.
CALED CHEK-WEI, wet side water repellent,
Caled Products Co. Inc.
CALED L-S, leather soap and leather finishers,
Caled Products Co., Inc.
CALED DES. Shorty B. Assay duty, pre-smaller

CALED PRE-SPOTTER, heavy duty pre-spotter, Caled Products Co., Inc.
CALED RUG SHAMPOO, concentrate, Caled

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CECLIN, finish for textiles, Sylvania Industrial

COLD.

CELANESE, dyes, American Aniline Products, Inc.
CELANESE, dyes, American Aniline Products, Inc.
CELANESOL, paint remover, National Cleaners
Chemical Mfg. Co.
CELATINI, tints for acetate yarm, American Aniline Products, Inc.
CELATOM, filter powder, Eagle-Picher Co.
CELATOM, filter powder, Eagle-Picher Co.
CELATOM, they powder, Eagle-Picher Co.
CELLO-SAVER, tape sealing machine for cellophane tape, Time Savers, Inc.
CELLO-VU cellophane bags, Time Savers, Inc.
CELLEFORM, spotter, Keystone Aniline & Chemi-

cal Co., Inc.
CEMENTROTE, heavy duty oil base cement paint,
Tropical Paint & Oil Co.
CENTRALATE, soap builder, Central Soap Co.
CENTRALATE, soap builder, Central Soap Co.
CENTRALYAC, centrifugal refrigeration compressor, Tranc Co.
CENTURY, motors, generators, Century Electric

CENTURY, synthetic drycleaning machine 70 to 100# per load, Vic Mig. Co. CENTURY BRAND SODIUM PERBORATE, N.F., mild oxidizing bleach, Eaton Chemical & Dye-

CEPI, water conditioning unit, Cepi-American, Inc. CEPI AUTOMATIC, flow controls for water, Cepi-American, Inc. CERTIFIED, low-titer neutral soap flakes, Ax

CERTIFIED MOTHPROOFING CONCEN-TRATE, rug mothproofing, Certified Chemical

& Equipment Co.
CERTIFIED PILE BRUSH, nap and pile brush,
Certified Chemical Equipment Co.
CERTIFIED SOLID, neutral solid pack crutcher
soan, Armour & Co.

soap, Armour & Co. CERTIFIED SOUR, rust removing sour, Speedlite Chemicals Co., Div. Patek & Co. CERTIFIED SPEEDMASTER, on-location sham-poo machine, Certified Chemical & Equipment

Co.
CESCO. soap. Central Soap Co.
CESCO. soap. Central Soap Co.
CETIC-X SOUR, odorless liquid sour. Warco
Laboratories, Inc.
C-50, drycleaning soap, Nu-Pro Mfg. Co.
CHACE, automatic washer valves, Chace Valve
Div., American Laundry Machinery Co.
CHAINVEYOR, light capacity overhead power
and manually operated conveyors, Chainveyor
Coro.

Corp. CHALLENGE, automatic conveyor leader, Challenge Mfg. Co.
CHALLENGE-GRANTHAM, automatic tumbler, pre-conditions, fully dries, Challenge Mfg. Co.
CHALLENGER, all types fire extinguishers, American-La France-Foamite Corp.
CHALLENGER, nylon laundry nets, Whitehouse Nylon Products

Nylon Products

CHALLENGER, stokers, Link-Belt Co.
CHAMPION, wood laundry washers and laundry
extractors, H. C. Keel Co.
CHAMP CLEANER, fur cleaner, Nycco Products

CO.
CHAMPION, automatic tying machine, cable cord,
Thomaston Mills
CHAMPION, monel press pad, Resillo Press Pad

CHAMPION, nylon net, Whitehouse Nylon Prod-

CHAMPION, nylon net, Whitehouse Nylon Products
CHAMPION CASCADE, laundry washer, American Laundry Machinery Co.
CHANDLER, button, sewing, tailoring, darning and mending, cuff tacking, blind stitch, Chandler Machine Co.
CHANGE MASTER, multiple coin changers, Standard Change Makers, Inc.
CHANGE-O-MATIC, automatic work clothes dispenser, Change-O-Matic Corp.
CHARCOTE, neoprene rubber, coating rust inhibitor, Charleston Rubber Co.
CHARGAID, dry spotter for charge cleaning, Eaton Chemical & Dyestuff Co.
CHARGIT, drycleaning detergent with chlorophyll test kit, Nu-Fro Mfg. Corp.
CHARKOTE, activated carbon, General Clarifer Corp.

Corp.
ChASE, brass and copper products, Chase Brass & Copper Co.
CHASER, spot remover, Dello Products Co.
CHAT, detergent, General Aniline & Film Corp., Special Products Sales Div.
CHATILLON. scales, John Chatillon & Sons
CHATTANOOGA, stainless steel carts, chutes, tables, shelves and tanks, Chattanooga Pharmacal Co. Juc.

cal Co., Inc.
CHEK-TAG, drycleaning identification system,
Best Forms Co.
CHEMKLOS, work clothing, Mine Safety Appli-

CHEM-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
CHEMPUMP, centrifugal pump, Chempump Corp.

CHEMPUMP, centrifugal pump, Chempump Corp.
CHEM-WEAR, acid and caustic resistant work
clothing, M. Setlow & Son, Inc.
CHEVOO, belt cleaner, Samuel Chevlin Co., Inc.
CHEVRON-ET, motor trucks, Chevrolet Motor
Div., General Motors Corp.
CHEVRON-TREDS, molded heavy duty rubber
stair treads, American Floor Products Co.
CHEX, laundry mildewproofing agent, Cidez Corp.
CHIC, Siring for wetcleaning, Patek & Co.
CHICAGO, laundry machinery, Chicago Dryer Co.
CHICAGO CYCLE-MATIC, washers and extractors, Chicago Dryer Co.
CHIEF, truck tires, Mohawk Rubber Co.

CHIEF COMMERCIAL, truck tires, Mohawk Rub-CHIEFTAN, nylon laundry net, Whitehouse Nylon

Products
CHIEF 20, handkerchief ironer, Huebsch Div.,
American Laundry Machinery Co. CHIEF 35, handkerchief, napkin ironer, Huebsch
Div. American Laundry Machinery Co.
CHIFFON, miniature bar soap, Armour & Co.
CHILL-AIR, suitcase-window-exhaust, National

Engineering & Mfg. Co. CHINALINE, quick-drying enamel, Berreled Sunlight Paint Co.

CHLORESCO, bleach (calcium hypothlorite),

Cowles Chemical Co.

CHLOR-O-CEL, sweetener, filter powder, Johns-

CHLOR-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc. CHLOROTHENE-NU, degreasing solvent, Dow

CHLOROWHITE, high phosphate laundry 5029, New South Mig. Co., Lac. CHOCTAW, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div. CHLORMALOX, electric heating equipment, Ed-win L. Wiegand Co.

win L. Wiegand Co.
CHROMASOID, anti-corrosion tank lining compound, Fred H. Schaub Engineering Co.
CHROME CONCRETE, chrome base refractory
concrete, Mexico Refractories Co.
CHROMIX, refractory material, Quigley Co., Inc.

CHROMOTEX, rug cleaning detergent, Endriss

Chemicals, inc.
Chemicals, inc

Brass Works, Inc.
CINO, carpet, laundry and drycleaning tags, black
marking ink, Fleischer Mills, Inc.
CISSELL, boards, boiler feeds, boiler return systems, ouff brusher, driers, drycleaning and
laundry tumblers, garment conditioners and
sleeve finisher, irons, spotting units and boards,
spray guns, W. M. Cissell Mfg. Co., Inc.
CLAIM-SAVER, F. W. I. cloth bundle separators,
F. H. Boan Co.

CLAIM-SAVER, F. W. I. cloth bundle separators, F. H. Bonn Co.
CLAIRANESE, cover cloth, Lewis National Corp.
CLAIRANESE, cover cloth, Lewis National Corp.
CLAIRCO, unit heaters, Clarage Fan Co.
CLAIRCO, unit heaters, Clarage Fan Co.
CLAIRE, floor maintainers, rug shampoo machines, heavy duty, Clarke Floor Machine Co.
CLAYBRUTE, machine clay coated paperboard, Cornell Paperboard Products Co.
CLAYTON, steam generators, feed water pump, water heater, Clayton Mfg. Co.
CLEAN CHARGE, drycleaning detergent, charge system, Davies-Young Soap Co.
CLEANCUT, pinkers, Maxant Button & Supply Co.

CLEAN 'N GO, re-usable impregnated cloth-paper for "spot" cleaning and refreshening of leather garments, Suede & Leather Refinishers of Amer-

ica
CLEANSER 600, alkali cleanser, Solvay Process
Div., Allied Chemical Corp.
CLEANSERTAG, marking tag material, Hollingsworth & Vose Co.
CLEANWELL, promoted synthetic detergent,
Speedlite Chemicals Co., Div. Patek & Co.
CLEAR-O-STRIPPER, strippers, Johnson Chemical
Industries, Inc.

Industries, Inc.

CLEARSIZE, laundry starch, National Starch
Products, Inc.

CLEARTEX, laundry starch, National Starch
Products, Inc.

CLEAR-VIEW, plastic rolls and bags, Clear View
Pachesing Company

Packaging Co. CLEAVER-BROOKS MONITOR, steam genera-

CLEAVER-BROOKS MONITOR, steam genera-tors, boilers, Cleaver-Brooks Co.
CLENA-FORM NO. 2, cleaner, polisher and lubri-cator for shirt units and body presses, College Chemical Co.
CLENESCO, alkaline and acid type cleaner, Cowles Chemical Co.
CLENTTAL, detergents, H. Kohnstamm & Co., Inc.

Inc.
CLEVELAND, rug and laundry machinery,
Cleveland Rug Cleaning Machinery Co.
CLIMAX, overall marking tags, Risdon Mfg. Co.
CLINTON, laundry starches, Clinton Corn Processing Co.
CLINTON rug sizing, Clinton Foods Inc.

essing Co.
CLINTON, rug sizing, Clinton Foods Inc.
CLINTON 5L, thick boiling starch, Clinton Foods

Inc.
CLIP-A-TAPE, gummed-tape dispenser, Ideal
Stencil Machine Co.
CLIPPER, belt-lacing equipment, belt cutters and
fasteners, Clipper Belt Lacer Co.
CLIPPER, wire lacing, belt lacers, belt cutters,
I. B. Williams & Son

I. B. Williams & Sons
CLIX, bell organizer, Time Savers, Inc.
CLO-DEO, freshener, Fumol Corp.
CLOMAK, balanced detergent, Wyandotte Chemicals Corp., J. B. Ford Div.
CLOPAY, hanger protectors, dress guards, Clopay

CLOPAY SANITEX, garment storage bags, Clopay Corp.
CLORAFIN, chlorinated paraffin, Hercules Powder Co., Huron Milling Div.
CLOREZE, organic-type bleach, Pennsalt Chemi-

CLOROSHEEN, drycleaning detergent, Riverside Mfg. Co. CLOTHES-A-CLEAN, combination washer-ex-tractor laundry washer, rinsing extractor, Forse

Corp.
C M PULLER, hoists, Chisholm-Moore Hoist Div.,
Columbus McKinnon Corp. COACHMASTER, truck delivery bodies, Unisteel

Body Co. COAGULATOR, rapid combination mixing chamber and settling basin, Hungerford & Terry,

Inc.
COAL-CHUTER, belt conveyors, New London
Engineering Co.
COATES, electric boiler, Coates Electric Mig. Co. COAT RETAINER, prevents sagging, holds lapels in place, Coat Retainer Co.
COAT-SEAL, interior wall coating, Steelcote Mfg.

COBECO, leather belting, cement, Cornell Belt-COCHECO, flat leather belting, belt cement, I. B. Williams & Sons

COCHIN SEB, solvent and synthetic wetting agent, E. F. Drew & Co., Inc., COCHRANE, separators, heaters, blow-off valves, traps and meters, water fitters, softeners, puri-Rers, Cochune Corp.

COCOANUT Oll., paste soap, National Cleaners
Chemical Mfg. Co.

COCOGEL, wetcleaning soap, E. F. Drew & Co., COCOZOP, coconut oil, wetcheaning paste soap, Package Chemical Co., Inc.
CODETAPER, tape dispenser with tape printer, Retter Packages, Inc.
COIN CHANGER, coin changers, Clesco National,

COIN COUNTER-SORTER, Standard Change-Makers, Inc.
COIN-OF PRESS, coin operated electric apparel
press, Forse Corp.
COLCOT, press padding flannel, Southern Mills,

Inc.
COLDSPRAY, built soap for cool-water washing,
Keever Starch Co., Keever Beach Div.
COLDWATER NAPTEX, laundry soap, E. F.
Drew & Co., inc.
COLD WATER OZONITE, cold-water soap, Procter & Camble Distributing Co.
COLD WATER SOL SUDS, soap, Lewis National

Corp.
Cole, leather and suede cleaners and dyers, Cole
Leather Cleaners of America
COLESCO, complete low foaming synthetic detergent, Cowles Chemical Co.
COLGATE CONCENTRATED, liquid soap, Colgate-Palmolive Co.
COLGATE FORMULA 20, 25, 40, neutral soap
flakes and granulated built soap, Colgate-Palm-

olive Co. COLGATE LOW FOAM, detergent, Colgate-

COLGATE LOW FOAM, detergent, congression of the con

COLLA-RATIES, collar supports, M. H. Gronauer Co.
COLLARMASTER, collar pressing machine, Hoffman International Inc.
COLOR BRITE, soap, Lewis National Corp.
COLORBRITE, rag and uphoistery cleaner, Edelmuth Mfg. Chemists
COLOREX, stripping agent, Stauffer Chemical Co.
COLORFIXE, sour, H. Kohnstamm & Co., Inc.
COLORFIEX, leather finishes, top finish gloss & top finish thinner, top finish, dull or gloss, Eaton Chemical & Dyestuff Co.
COLOR-GO, powdered stripping agent, A. L.
Wilson Chemical Co.
COLOR KEEP, fixitive for dye, North American Dye Corp.

Dye Corp.
COLORLUME, drycleaning soap, Fry Bros. Co.
COLOR SET, for rugs, Johnson Chemical Indus-

tries, Inc.
COLORSOUT, powder color stripper, Washine
National Sands, Inc.
COLOR SPARE, break powders, Wyandotte
Chemicals Corp., J. B. Ford Div.
COLORSUDS, low-temperature scap, H. Kohnstamm & Co., Inc.
COLORTOP, plug fuses, Trico Fuse Mfg. Co.
COLOR VERSE, stain-a-way, Warco Laboratories,
Inc.

Inc.
COLOSSAL COVERS, 40" wide heavy weight plastic bags, James R, Sherman Plastics Corp.
COLOVOLT, fluorescent lamps, fixtures, General Luminescent Corp.

COLSON, wheels, casters, trucks, Coison Corp.
COLTEX, cold-water soap, medium pH, E, F.
Drew & Co., Inc.

COLUMBIA, activated carbon, Union Carbide Chemicals Co. COLUMBIA, blindstitch machines, Columbia Sew-ing Machine Corp.

COLUMBIA, high pressure steel boilers, Columbia Boiler Co. of Pottstown COLUMBIA, drycleaning extractors, used and re-built machinery, puff irons, valves, Columbia Laundry Machinery Co.

COLUMBIA, drycleaning unit, solvent saver, Columbia Appliance Corp.

COLUMBIA BF, puff ires, Columbia Laundry
Machinery Co. COLUMBIA GEM, extractor, Columbia Laundry Machinery Co.
COLUMBIA-SOUTHERN, detergents, chemicals,
Columbia-Southern Chemical Corp.
COMBATT-C, corrosion preventative, Adrian Research & Chemical Co.
COMBINATION, cellophane bags for shirts and sweaters, Clear-View Packaging Co.
COMBINATION, continuous towel cabinet, Steiner Co.
COMBINATION OFFSET, silk finishing press, Excelsior Machinery Co.
COMBINER CLIPS, assembling clips, Larton Products Co., Inc.
COMBINETS, laundry nets and fabrics, Davis Mills, Inc.
COMBINO, padding for flatwork froners, net,
Tingue, Brown & Co.
COMBO, combination checking desk, bag storage
unit and garment bagger, Rodin Machinery Co.,
Div. Rodin Bros.
COMBUSTIONEER, automatic coal burner, humidifiers, Steel Products Engineering Co.
COMB'S, laundyr nets, Davis Mills, Inc.
COMCO, water heater, Commercial Heater Co.,
Inc. COMET. electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Corp. COMET. extractors, Hammond Laundry-Cleaning Machinery Co.

Div., Columbus McKimon Corp.

COMET. extractors, Hammond Laundry-Cleaning Machinery Co.

COMET, aylon nets, Gibraltar Fabrics, Inc., COMET, thirt finishing unit, Unipress Co., Inc., COMET, washing machine, metal, laundry, Henrici Laundry Machinery Co.

COMMANDER, steel framed platform hand trucks, Fairbanks Co.

COMPACT, low-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.

COMPACT, low-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.

COMPAT, soluble fine granular bleach, Martens Chemical Corp.

COMPINO, cotton nets, Tingue, Brown & Co.

COMPINO, cotton nets, Tingue, Brown & Co.

COMPO, fiber marking tags, Fleicher Mills, Inc.

COMPO, marking tags, U. S. Marking Tag Co.

COMPO, marking tags, U. S. Marking Tag Co.

CONCENTRATE 1960, batch system detergent concentrate, Lustrol Chemicals Products, Div. Patek & Co.

CONCOR, belts, Revolite Div., Raybestos-Manhatian, Inc.

CONCORD, air-operated drycleaning press, American Cleaners Equipment Co., Div. American Laundry Machinery Co.

CONCORD, wax emulsions, Concord Chemical Co., Inc.

CONCORD, vax emulsions, Concord Chemical Co., Inc.

Co., Inc. CONDO-VAC, return-line vacuum pumps for heating systems, Chicago Pump Co. CON-D-TEX, mothproofing agent, Research Laboratories Corp.
CONDUCTIVITY CONTROL, moisture control for charge system, R. R. Street & Co., Inc. CONE, towels, diapers and gabardine twill, Cone Mills Inc.

Mills Inc.
CON-SECU-TAG, identification systems, invoice,
combination, marking, and printed tags, Liberty
Marking Tag Co., Inc.
CONSEC-U-VEYOR, call office conveyors, garments, White Machine Co., Inc.
CONSTELLATION, 2- and 3-girl shirt finishing

ments, white Machine Co., inc.
CONSTELLATION, 2- and 3-girl shirt finishing
units, Unipress Co., Inc.
CONTINENTAL AUTOMATIC BOILER, steam
generators and packaged boilers, Boiler Engineering & Supply Co., Inc.
CONTINENTAL 18, self-polishing heavy-duty
liquid floor wax. Continental Car-Na-Var Corp.
CONTIN-U-RAIL, rail parts and filtings for speed
rail, White Machine Co., Inc.
CONTIN-U-VEYOR, mechanized garment hanger
and troiley conveyor, White Machine Co., Inc.
CONTOUR, hanger guards, Time Savers, Inc.
CONTOUR TRENTWELD, welded pipe and tubing. Crucible Steel Co. of America
CONVAIR, converts foot press into air-operated
press, New York Pressing Machinery Corp.
CONVEY-MASTER, call office conveyor. Forse
Corp.

COOK EXTRACTOR, extractors, laundry, Cook Machinery Mfg. Co., Inc. COOK WASHETTE, open end washer, Cook Mainery Co., Inc.

COOLIDGE GRID, press pad, John E. Coolidge

CO.
COOPER-BESSEMER, compressors, diesel and
gas engines, Cooper-Bessemer Corp.
COORDINATED PROCESS CONTROL, automatic control, Bristol Co.
COPALITE, interior varnish, Barreled Sunlight
Paint Co.

COPR-TUBE, copper tube fittings, Dresser Mfg. Div., Dresser Industries, Inc. CORONET, synthetic solvent drycleaning unit, Detrex Chemical Industries, Inc.

CORRUFLEX, expansion joint, American District Steam Co., Inc. CORVAC, vacuum cleaners, Certified Chemical &

Equipment Co.

COST CUTTER CONVEYOR, belt conveyors,
New London Engineering Co.

COTE, fabric softener and static control, Wyandotte Chemicals Corp., J. B. Ford Div.

COTTACE, steel direct-fired water heater, oilgas, Kewanee Boiler Corp.

COTTONBLOSSOM, fatwork ironer padding and
canvas baskets, Southern Mills, Inc.

COUNTERBOY, gummed tape dispensers, label
muisteners, Better Packages, Inc.

muisteners, Better Packages, Inc. COUNTER DEMONSTRATION KIT, demonstration kit, R. R. Street & Co. Inc.
COUNTERFLOW, automatic 10-washer counterflow laundering unit, International Laundry

COUNTERVEYOR, counting conveyor, Leebaw Mig. Co. COUNTRY BOY, steam spotter, Dello Products COVCO, poster frames, Coventry Products Co.,

inc.
COVERALL-MATICS, dual-profit unit, combina-tion waterproofing and sizing machine, Colmac Industries, Inc.
COV-EEZ, garment hanger shields, Larton Prod-

ucts Co., Inc. COVERDUX, cotton roll covers, Tingue, Brown &

COVERDUX, cotton roll covers, Tingue, Brown & Co. C.P.C. COLLAR FORM R, heated collar shaping block assembly, Time Savers, Inc. C.P.C. LA-DOWN STAIZ, collar support for flat collar, Time Savers, Inc. CRANE, plumbing fatures, Crane Co. CRAVA-KLEEN, drycleaning detergents, charge type, Cravenette Co., U. S. A. CRAVA-SET, drycleaning sizing and finishing agent, Cravenette Co., U. S. A. CRAVENETTE, water repellent and silicone finishes, Cravenette Co., U. S. A. CRAVENETTE, water repellent and silicone finishes, Cravenette Co., U. S. A. CREAM FINISH, starch lubricant, Lewis National Corp. CRESCENT, belt fasteners, plates, rivets, rivet extractors, Crescent Belt Fastener Co. CRESCENT, in Laudry chemical specialty items, Hood Chemical Co., Inc., Crescent Div. CRESCENT, try-cocks, Wright-Austin Co. CREST, typlon knitted laundry nets, Fablok Mills, Inc.

Inc., CREST, starch, A. E. Staley Mfg. Co. CRESTEX, sour, Hood Chemical Co., Inc., Crescond cent Div.
CRISP, water soluble sizing, Stamford Chemical Co. CROSBY, gauges, valves, Crosby Steam Gauge & Valve Co. CROTON, flameproofing compound, Croton Chem-

CROTON, Hameprooting compound, Croton Chemical Corp.
CROWN, electric-steam irons, steam generators, electric irons, Crown Mig. Co.
CROWN, Jaundry nets, Davis Mills Inc.
CROWN, starch. A. E. Staley Mig. Co.
CROWN ROYAL #1, detergent for wet spotting, Anscott Dry Cleaning Products, Inc.
CROWN ROYAL #2, all purpose spot remover, Anscott Dry Cleaning Products, Inc.
CRUCAST, steel castings, Crucible Steel Co. of America

America
CRUCIBLE, stainless steel laundry equipment,
Crucible Steel Co. of America Crucible Steel Co. of America CRUSADER, nets, cover cloth, double-face flan-nel, cover duck, Egan Cotton Mills CRUSCA, drill steel, Crucible Steel Co. of

America CRYSTAMET, pentahydrate sodium metasilicate, Cowles Chemical Co. C/5 DETERGENT, charged system detergent, Adrian Research & Chemical Co. CUB JR., steam trap, Wright-Austin Co. CUFF BRUSHER, rotary cuff cleaner, Excelsior Machinary Co.

Machinery Co.
CUFF RITE, french cuff folding unit, floor and
table top unit, Twin City Machinery Co.
CUFF TACKER, sewing machine, Chandler Ma-

chine Co.

CULLIGAN, water softening and conditioning equipment, Culligan, Inc.

CUMMINGS-LANDAU, laundry equipment, Cummings-Landau Laundry Machinery Co., Inc.

CURE-CRETE, concrete curing agent, The Peters Co., Div. Toledo Paint & Chemical Co.

CURRY, feed ribbons, J. W. Curry Co.

CURRY, air conditioners, compressors, condensers, host, tanks, Curtis Mig. Co.

CUSHN'TOP, buk-cover and buk-pad set, Bishop Freeman Co.

Freeman Co.
CUSTOM, electric steam generators, Custom Engineering Co.
CUSTOM, shoulder finisher and shaper, Hopkins Equipment Co.

Equipment Co
CUSTOM-AIR, large building heating and cooling equipment, Trane Co.
CUTLER-HAMMER, electrical equipment, motor
control, Cutler-Hammer, Inc.

C. W. NOKOMIS, laundry soaps, Minnesota Chem-

CYANEGG, sodium cyanide, E. I. du Pont de Nemours & Co., Inc. CYCLAMATIC, laundry washer control, Ameri-can Laundry Machinery Co. CYCLO, heavy prespotter, R. R. Street & Co.,

Inc.
CYCLONE, exhaust head, Wright-Austin Co.
CYCLONE, hand power hoist, Chisholm-Moore
Hoist Div, Columbus McKinnon Corp.
CYCLONE, washer, Henrici Laundry Machinery

CYCLONE CONVEYORS, pneumatic conveyors, Eastern Cyclone Conveyor Systems, Inc. CYCLONE COUNTING MACHINES, automatic counters for towels, diapers, etc., Eastern Cy-clone Systems, Inc. CYCLOPS, needle bearing, Roller Bearing Co. of

America CYCLO "S," soapless prespotter, R, R. Street &

Co., Inc.

CYCLOTHERM GENERATORS, package type
boiler, hot water generators, Cyclotherm Div.,
National U. S. Radiator Corp.

CYLON, wetcleaning detergent, Patek & Co.

D & R CONTROLS, time & temperature tumbler controls, D. & R. Controls
DCT, laundry and drycleaning tumblers, Western
Laundry Machinery Co.
DA-CO, chemicals, cleaners, Davis-Weil Mfg. Co.
DACRONYL, expander blade pad-covers, F. H.
Bonn Co.

Bonn Co.

DACRONYL, single faced nylon dacron flannel pads, F. H. Bonn Co.

DACROTEX, dacron fromer cover cloth, X. S.

Smith, Inc.

DAILY DELIVERY, marking tags, Pittsburgh

DAILY DELIVERY, marking tags, Fittsburgn Tag Co.

DAMASCITE, ferrous-base machine parts, Amplex Div., Chrysler Corp.

DAMIT, pipe joint compound, Quigley Co., Inc.

DAMP-TEX, enamel, Steelcote Mig. Co.

DANDUX, canvas baskets, hampers, bags, trucks,

C. R. Daniels, Inc.

DANTEX, canvas baskets, hampers, bags, trucks,

C. R. Daniels, Inc.

DARCO BLUE LABEL DC, activated carbon, Atlas Powder Co.

las Powder Co.

DARNELL, wheels, casters, gliders, rabber bumpers, Darnell Corp., Ltd.

DART PICKUP, truck (½-ton pickup) lb., Dodge

Div., Chrysler Corp.

DASH 120'S COIN VENDED SIZE, coin vended

DASH 1203 COIN VENDED SIZE, com vended Dash, Procter & Gamble Distributing Co. DATERETTE, dating machine, American Numbering Machine Co. DATEX, dacron ironer roll cover cloth, Gibraltar

PATEA, discron froner roll cover cutta, Gibraias Fabrics, inc.

DAVIS, controls, regulators, valves, Davis Regulator Co.

DAVIS, first-aid and emergency equipment, Davis Emergency Equipment Co., Inc.

DAVIS FABRIC RENEWING PLATE, press plate, Bishop Exercise C.

Bishop Freeman Co.
DAVIS, overall tags, Keyes-Davis Co.
DAVIS, shirt unit, Prosperity Co., Div. Ward Industries Corp.

DAVIS, shirt unit, Prosperity Co., Div. Ward Industries COP.

AVIS NETS, laundry nets, Davis Mills Inc.

DAVIS OVERALL TAG, brass permanent marker, Keyes-Davis Co.

DAVIS TAG, permanent overall marker, Keyes-Davis Co.

DAVIS Z, laundry net, Davis Mills Inc.

DAVOTEX, leather cleaning and redyeing, C. O.

DAVOTEX, leather cleaning and redyeing, C. O.

DAY-SOL, chlorinated solvent drycleaning soap,
Davies-Young Soap Co.

DC FILTROL, absorbent filler powder, Filtrol
Corp.

Corp.

Corp.

DCT-54, dry cleaning tumbler, Western Laundry
Machinery Co.

DEAN HILL, centrifugal industrial power pumps,
steam turbines, Dean Hill Pump Co.

DECALCOMANIA. truck lettering, pictorials,
nameplates, window signs and valances, Meyercord Co. DEENATE, insecticide, E. I. du Pont de Nemours

& Co., inc.

DEFENDER, regulators, recording instruments,

Defender Instrument & Regulator Co.

DEFENDER, steel pins, safety pins, hanger assembly clips, Oakville Co. Div., Scoville Mfg.

DEFLOC, laundry detergent, Cowles Chemical DEHYDRATINE 2A, water repellent, A. C. Horn

DEKALB, truck bodies, delivery, DeKalb Commercial Body Corp.

DELIBLE, mk remover, Warco Laboratories, Inc.

DE-LIMER, lime solvent, E. F. Drew & Co., Inc.

DELIVERY PANEL BODIES, delivery truck bodies for chassis with Cowl motor truck, Boyertown Auto Body Works

DELIVR-ALL, delivery truck, Marmon-Herring-ten Co. Inc.

ton Co., Inc. DELLO, rust and stain remover, Dello Products

DELLOSOAP, drycleaning soap, Dello Products

Co.
DELUXE, asbestos press covering, F. H. Bonn Co.
DE LUXE, uniforms, Shane Uniform Co., Inc.
DELUXE MIRZA, automatic rug cleaning machine. American Laundry Machinery Co.
DE LUXE STRING, cord, Milwaukee Printed

String Co.
DEMING, pumps, Deming Co.
DEMOTHOL, mothproofing agent, Signal Chemical Mfg. Co., Inc.

DENOMINATOR, tabulating machines, Denominator Company, Inc.
DEODOR, decdorant, Dello Products Co.
DEODOR, decdorant, Patek & Co.
DEODORIZED APCO 125, drycleaning naphtha, Anderson-Frichard Oil Corp.
DESOIL, laundry cleaning compound, Cowles Chemical Co.
DE SOLV, oil, paint and grease spotter, Benda Products, Inc.
DESTAINER, penetrating soap, A. L. Wilson Chemical Co.
DESTE, automatic regulating valves, strainers, etc. D'Este Div. Kaye & MacDonald, Inc.
DETAMIDE, diethylloluamide insect repellent, Cowles Chemical Co.
DETERGENT N, drycleaning soap, Allen & Vickers, Inc.

ers, Inc.
DETERGENT 22, drycleaning detergents, Hope

Chemical Corp.

Chemical Corp.

DETERGEX, wetcleaning detergent, Dixo Co.

DETERSYN, detergent for use with chlorinated solvents, Riverside Mig. Co.

DETEX, watchmen's clocks, Detex Watchclock

Corp.

DETREX, drycleaning equipment, B. & G. call office conveyors, baggers, Detrex Chemical Industries, Inc.

DETREX PERK, perchlorethylene, Detrex Chemical Industries, Inc.

DETROIT, belt lacers, belt cutters, Detroit Belt

Lacer Co.
DETROIT, valves, W. M. Chase Co.
DEVILBISS, compressors, spray guns, hose, De-

Vilbiss Co
DEWEY-SHEPARD, gas and oil fired boilers
and water heaters, base-panel radiation, wintersummer air conditioner, Dewey-Shepard Boiler

DEX, antiseptic agent, Signal Chemical Mfg. Co., DEXBEST, dacron ironer cover, Whitehouse Nylon Products
DEXCO, dacron flatwork ironer cover, Whitehouse
Nylon Products
DEX-KNIT, dacron laundry net, Whitehouse Ny-

lon Products
DEXTAPE, dacron ironer tape, Whitehouse Ny-Products DIAL

Jon Products
DIAL, miniature bar soap, Armour & Co.
DIAL-A-MATIC CONVEYORS, laundry and drycleaning call office conveyors, Detrex Chemical
Industries, Inc.
DIAL-MASTER, automatic washer control, Norman Control Co.
DIAL-O-TIMER laundry formula timer, Norman
Control Co.

Control Co.
DIAL-TROL, call counter conveyor control, National Marking Machine Co.
DIAMO, stripper, stain remover, Lewis National

Corp.
DIAMOND, ball, revolving and swing joints,
Diamond Metal Products Co.
DIAMOND, chains, couplings, Diamond Chain DIAMOND, knitted nylon nets, Whitehouse Nylon

Products
DIAMOND, water-treatment compounds, Oshkosh
Filter & Softener Co.
DIAMOND, wire garment hanger, Diamond Wire
Hanger Co.
DIAMOND ALKALI, washroom chemicals and detergents, laundry soaps and blue, Diamond

Alkali Co. DIAMOND CHAMPION, nylon laundry net,

Whitehouse Nylon Products
DIAMOND LIQUID BLUE G, laundry bluing,

DIAMOND LIQUID BLUE R, laundry bluing, Diamond Alkali Co.
DIAMOND DRYCLEANER, chlorinated cleaning solvent, Diamond Alkali Co.
DIAMOND O & W COMPOUND, detergent, Diamond Alkali Co.
DIAMOND T, motor trucks, Diamond T Motor DIAMOND TAG, identification system, Dillard

Paper Co. DIAMOND "W," inundry soaps, Los Angeles Soap Co. DIAPER STAIN REMOVER, stain remover, Johnson Chemical Industries, Inc. DIASAN, diaper sanitizer, H. Kohnstamm & Co.,

Inc.
DIAZOCEL, for dyeing Celanese and acetate silks, American Aniline Products, Inc.
DICALITE 7, anti-static filter powder, Dicalite Dept., Great Lakes Carbon Corp.
DICALITE SPEEDPLUS, straight diatomite filter powder, Dicalite Dept., Great Lakes Carbon Corp.

Corp.

DICALITE SWEETENER, sweetener, filter powder, Dicalite Dept., Great Lakes Carbon Corp.

DIEHIL, electric motors, fans, Diehl Manufacturing Co. Div. Singer Mfg. Co.

DI/EN, digester, John P. Lynch Co.

DIGESTALL, digestive agents, Fackage Chemical

Co., Inc.
DIGESTEX, fortified enzymic digester, Lustrol
Drycleaning Products, Div. Patek & Co.
DIGESTIT, enzymic digester, Riverside Mfg. Co.
DI-MARK, property marking machine, National
Marking Machine Co. DIPCRAFT, advertising balloons, Dipcraft Mfg.

DIPLOMAT, synthetic solvent drycleaning unit, Detrex Chemical Industries, Inc.

DIP-O-MATIC, water repellent dip tank, Hopkins DIRTEX, IMPROVED, break compound, Patek DI-SAN, liquid disinfectant, Tower Chemicals,

Inc.
DISAPPERO, spotting compound, Fry Bros. Co.
DISCOVERY, handkerchief fluffer, Huebsch Originators, Div. American Laundry Machinery Co.
DI-SOLVENT, diluent for leather dyes, Nu-Pro

Mig. Co.
DISPENSER BLEACH, bleach for laundromats,
Johnson Chemical Industries, Inc.
DISPENSER-PAK, garment bag dispensing unit,

Kordite Co. DISPERSO, silk and wool drycleaning soap, Spix

DISPERSO, silk and word dryceaning san, heroducts Co.

DIS-PER-SOL, break powder, Thompson-Hayward Chemical Co.

DISTILLENE, drycleaning soap, Keystone Aniline & Chemical Co., Inc.

Truck Div., Divco-Wayne Corp.

DIVCO WULTISTOP, delivery vehicles, Divco Truck Div., Divco-Wayne Corp.

DIVERTI-FLO, automatic air controls, Manitowoc Engineering Co.

DIVIDEND, delivery trucks, Divco Truck Div., Divco-Wayne Corp.

DIVIDEND, delivery trucks, Divco Truck Div.,
Divco-Wayne Corp.
DIX-E-HOLD, hangers, Marion Mfg. Co.
DIXIE, aprons, Minnesots Chemical Co.
DIXIE, laundry nets, Southern Mills, Inc.
DIXIE, tags, tapes, trouser guards, collar supports, Dizie Hanger Co.
DIXO, detergents, drycleaning soaps, grease, oil and paint remover, wetcleaning soap, Dixo Co.,
Inc.

DIXON STEAM KING, Scotch marine boiler, Dixon Boiler Works
DIXON WATERFALL, Scotch marine boiler. Dixon Boiler Works
DIXON WATERFALL, Scotch marine boiler. Dixon Boiler Works
DIXOTEX, wet or dry spotter, Dixo Co., Inc.
DIXOLV-IT, oil remover, Kliegman Bros., Inc.
DO-ALL, built anionic, synthetic detergent, Armour & Co., Industrial Soap Dept.
DOBBY, mothproofing concentrate, Jay-Dee, Inc., Mfg. Chemists
DOCTOR BOILER, boiler water treatment compound, Doctor Boiler, Inc.

pound, Doctor Boiler, Inc.
DOCTOR SPOTGESTER, prespotter, Dello Prod-

nets Co.

DODGE TRUCKS, light, medium and heavy duty trucks, Dodge Div., Chrysler Corp.

DODSON, business insurance, Bruce Dodson &

Co. TEX, treatment for cat and dog stains, Hild Floor Machine Co.
D-1, controlled suds, Reslabs, Inc., Div. Linco Products Corp.
DORAN, hat machinery, Hatters Supply House,

DOR TU DOR. Ford house to house delivery bodies, Universal Sales Inc.

DOUBLE CHECK, zeolite water softener, Elgin

Softener Corp.

DOUBLE DUTY SOUR, sour and blue combination. Diamond Alkali Co.

DOUBLE-VALVE, blanket brusher, American
Laundry Machinery Co.

DOUBLE-WEAR, apron duck, cover cloth, nets,
Lewis National Corp.

DOUBLE WING, collar support, Empire Cardboard Corp.

DOUBLE WING, collar support, Smight board Corp.
DOUGLAS, corn starch, thin boiling starch, Penick & Ford Ltd., Inc.
DOVER DYFERCAN, deodorized diaper container, Dover Stamping Co.
DOW, sodium hydroxide, chlorine, sodium carbonate, The Dow Co.
DOWCLENE, synthetic cleaning solvent, The Dow Chemical Co.

Chemical Co.

DOWEX RESIR, water softening equipment, The Dow Chemical Co.

DOWEX RESIR, water softening equipment, The Dow Chemical Co.

DOWFUME V, fumigant, The Dow Chemical Co.

DOWNY DIPE, textile softener liquid with germicidal agent for dispers, Marlyn Chemical Co., Inc.

Jnc. Jnc. Comparis, Sarrya Chemical Co., Jnc. Co. Drain-Tolli, cellar drainers, Teomans Bros. Co. Drain-Tolli, cellar drainers, Teomans Bros. Co. Drain-Tolli, cellar drainers, Teomans Bros. Co. Drain-Tolli, collar drainers, Teomans Bros. Co. Drain-Tolli, cellar drainers, Co. Drapers-Eze, Eduipment Co. Drapers-Form, drapers steam-finisher, Draper-Eze Equipment Co. Drapers-Form, drapers steam finisher, Garment Finishing Equipment Co. Draes-Tro-Form, dress and sport shirt folding machine, Bishop Freeman Co. Dresser, clamps, couplings, fittings, Dresser Mg. Div., Dresser Industries, Inc. Dresser, Co., Inc. Dresser Co., Inc. Drew & Co., Inc.

Co., Inc.

DREW, ironer ofl, E. F. Drew & Co., Inc.

DREW 90 PLUS POWDER, soap plus medium pH alkali builder and water conditioner, E. F. Drew & Co., Inc.

DREX-KLEEN, trichlorethylene solvent, Detrex Chemical Industries, Inc.

DRI-BORD, steam-heated press boards, Kisco Boiler & Engineering Co.

DRI-BRITE GLOSS, fur luster, Nycco Products

DRI-CLOR, granular chlorine bleach, Pennsalt Chemicals Corp.

ORICO, air cleaners, filters, separators, strainers, Drico Industrial Corp. DRIEX, water-soluble water repellent, Keystone Aniline & Chemical Co., Inc.

DRI-FLO DIPIT, indelible laundry and dry-cleaning marking set, Dri-Flo Mfg. Co. DRI-HAND, dampener and moisture regulator, J. W. Steele & Co. J. W. Steele & Co. DRI-RINSE, drycleaners' sour, Johnson Chemical

Industries, Inc.
DRISEAL, shirt bands, Driseal Co.
DRISHEEN, alkaline detergent, Adco, Inc.
DRI-SHEEN PROCESS, charged system method of cleaning, Adco, Inc.
DRI SPOT, volatile dry spotter, Coastal Chemical

Corp.

DRI-STEAM, air cleaners, filters, separators, strainers, valves, Drico Industrial Corp.

DRISUDZ, complete detergent, Cowles Chemical

DRISYN, drycleaning detergent, E. F. Drew & DRI-TEX, drycleaning detergents, Spix Products DRITHERM, infra-red heat lamps, North Ameri-

DRI-THERM, intra-red heat lamps, North American Electric Lamp Co.
DRI-TOP, ironing board, Bishop Freeman Co.
DRI-TRI, anhydrous trisodium, A. R. Maas Chemical Co., Div. Victor Chemical Works
DRI-VAC, vacuum system, presses, Rema Corp.
DRO-GO, spotting agent, A. L. Wilson Chemical

DROP-A-NUF, lubricant and spotting additive, DR. SPOTGESTER, prespotter, Dello Products

DRUCLOR, powdered hypochlorite bleach, E. F. Drew & Co., Inc.
DRUM MASTER, fur cleaning drums, Walter Haertel Co. DRUMMOND, soaps, oils, detergents, Standard Soap Co., Div. Concord Chemical Co., Inc. DRUSOAP H, high-titer neutral soap, E. F. Drew

& Co., Inc.
DRUSOAP P, high-titer 98% neutral soap, E. F.
Drew & Co., Inc.
DRUZOL, heavy-duty detergent, E. F. Drew &

Co., Inc.
DRY-CAL-SIZE, liquid sizing for solvent sizing,
Caled Products Co., Inc.
DRY CHEMICAL, fire extinguishers, American-La
France-Foamite Corp.
DRY CHLORESCO, dry bleach, Cowles Chemical

Co.
DRYCLEAN, spot remover, E. I. du Pont de
Nemours & Co., Inc.
DRYCO, spotting units, finishing equipment and
steam condensers, Bishop Freeman Co.
DRYCOMATIC, steam-electric iron, Bishop Freemen Co. DRYCON, dry size, Wallerstein Co., Div. Baxter

DRYCON, dry size, Wallerstein Co., Div. Baxter Laboratories, Inc.
DRYER, by COOK, laundry tumbler, Cook Machinerv Co., Inc.
DRYERETTE, automatic laundry dryer-coin-operated-time operated, Hoyt Mfg. Corp.
DRYERETTE, IR., automatic laundry dryer-coin-operated-time operated, Hoyt Mfg. Corp.
DRYETTE, water repellent, Cravenette Co.,

U. S. A. DRY-EX, coolers, air, oil, water, Acme Industries,

Inc.
DRY EXSIZE-T, desizing agent for removal of starch-base sizes, Pabst Brewing Co., Industrial Products Div.
DRYGESTER, dry spotter, Smith Bros. Co.
DRYLITE, self-exhausting dust control oil, Cowles Chemical Co. DRY MASTER, clothes tumbler, National Dryer DRYMASTER, drying cabinets, Hopkins Equip-DRYMET, anhydrous sodium metasilicate, Cowles

Chemical Co
DRY-O-MATIC, signal and alarm control for tumblers, Rosenthal Mfg. Co.
DRYORTH, anhydrous sodium orthosilicate,
Cowles Chemical Co.
DRY-O-WET, spot remover, Slater-Robbins Co.,

Inc.
DRYSEQ, anhydrous sodium sesquisilicote, Cowles
Chemical Co.
DRYSET, air vacuum systems, Lamson Corp.,
Blower Div.

Blower Div.

DRY-SIZE, dry size, R. R. Street & Co., Inc.

DRY SPOTTER, volatile grease and paint remover. Lustrol Drycleaning Products, Div.

Patek & Co. DUAL, steam traps, American District Steam Co.,

Inc.
DUALCRAFT, press pads, Padcraft Corp.
DUAL-DUTY TAG-O-LECTRIC, tag-marking and attaching machine, Textile Marking Machine Co. Inc. DUAL FILM-a-RECORD, micro-filming machine, Remington Rand, Inc.

DUAL STAY, collar supports and protectors, Phoenix Products Co.

DUBL-DUX, concentrated water repellent, dry side, Eaton Chemical & Dyestuff Co. side, Eaton Chemical & Dyestuff Co.

DUBLECOTE MULTI-SHINGLES, asphalt roofing shingles, Barrett Div., Allied Chemical Corp.

DUBLIFE, replacements for collars, cuffs, neckbands and trouser pockets, Dublife Collar Co.

DUBL-PANEL, shirt bags, Bagcraft Corp. of

DUCO, finishes, E. I du Pont de Nemours & Co.,

DUFFEL, laundry nets, Southern Mills, Inc. DUKE, trouser guards, suit, dress and drape hang-ers, Pittsburgh Hanger Co., Inc.

DU-LITE, enamel gloss white, E. I. du Pont de Nemours & Co., Inc.

DUNAWAY SO-E-Z SPOTTER, digesters; spotting agents and removers; drycleaning soaps,
Dunaway Products Co.

DUNHAM-BUSH, heating, commercial refrigeration, air conditioning, compressors—refrigeration and air, Dunham-Bush, inc.

DUO-DRI, twin dryers, gas or steam, Hoyt Mfg.

DUO-FLO, pressure filter, Morey Seldin Machin-

ery Corp.

DUO-MATIC, washers and extractors, Prosperity
Co., Div. Ward Industries Corp.

DUO-NYL, expander blade pad covers, F. H. Bonn

DUO-NYL, expander blade pad covers, F. H. Bonn C. DU-OP, limit switches, General Control Co. DUO-TEX CONC, drycleaning soap, Keystone Aniline & Chemical Co., Inc. DUOTOP, flannel, Toptex Corp. DUO-WHITE, powdered bleach, Duo-White Co. DUO WHITE BLEACH, powdered form in individual envelopes, Kaleen Chemical Corp. DUPLEX, vacuum cleaner, General Electric Co. DUPLEX, vacuum cleaner, General Electric Co. DUPLEX, vacuum cleaner, General Electric Co. DUPLES, vacuum cleaner, General Electric Co. DUPLEACAL, covers and padding washer, Gardner Machinery Corp. DUBACAL, covers and padding combinations, Patck & Co. Stokers, Canton Stoker Corp. DURAYAN, truck bodies for use on Dodge trucks, Universal Body Sales, Inc. DURO, press covers, R. Lally Co. DURO, press covers, R. Lally Co. DURO, fiber sheet packing, Raybestos-Manhattan, Inc.

tan, Inc.
DURONITE 200, textile flame retardant on dry
side, Signal Chemical Mfg. Co.
DUROTEX, press covers, R. Lally Co.
DUST-PROOF, sweeping compound for floors,
Kiverside Chemical Co.
DUST STOP, air filters, Owens-Corning Fiberglas

Corp.

DUTCH BRAND, adhesive cements and tapes; rubber products, Johns-Manville

DUTCH-MILL, diaper and diaper can deodorants, Van Chemical Co.

DU-TEX, stain remover, Warco Laboratories, Inc.

DUTTON, boilers, pumps, Hapman-Dutton Co.

DUX COTE, water repellent, Eaton Chemical & Dyestuff Co.

DUX-IT, solvent-soluble water repellent, Keystone Aniline & Chemical Co., Inc.

DWYER, gauges, indicators, meters, F, W, Dwyer Mfg. Co.

Mfg. Co.
DYCO-SIZE, garment retexturing compound,
Davies-Young Soap Co.
DYDROSITE, stripping agent, Nu-Pro Mfg. Co.
DYE PADS, pads for "spot dyeing," Caled Products Co., Inc.
Description of the Composition of the Co.

DYE PADS, pads for "spot dyeing," Caled Products Co., Inc.
DYEPEN, Eaton Chemical & Dyestuff Co.
DYNAHUE, colored laundry detergent, Pennsalt
Chemicals Corp.
DYNA-MATIC, open-end washer, Hammond
Laundry-Cleaning Machinery Co.
DYNAMIC DUMPER, unloading washer, Miller
Laundry Machinery Co.
DYNA-PAK, laundry press, American Laundry
Machinery Co.
DYNASOPE, concentrate, drycleaning filter soap
with antiseptic and mothproofing, A. F. Wolke
Co.

liquid level controls, Automatic Products, Inc. DYNA WASH, 300 lb. washer-extractor, The

Edro Corp. DYNA WASH, JR., 120 lb. washer-extractor, The

Edro Corp.

DYNEL, Union Carbide Chemicals Co., Div. Union
Carbide Corp.

D. Y. NO. 100, drycleaning soaps, Davies-Young DYO-FLEX, dyes, finishes for leather, Dyo Chem-

DY-100, liquid drycleaning soap, Davies-Young DYPERCAN, sanitary disper cans, Dover Stamp-

ing Co.
DYSCO, wetcleaning silk and wool soap, Davies-Young Soap Co.
DYSOLVO, soap, Davies-Young Soap Co.
DY-SULPH, synthetic wetcleaner, Davies-Young

DY-SULPH, symmetric volumes for use in washing machines, North American Dye Corp.

DYTINT DYE, dye for use in washing machines, North American Dye Corp.

DYWHITE, whitener for use in washing machines, North American Dye Corp.

EEEE, drill steel, Crucible Steel Co. of America EFTT, electric power fork truck, Lewis Shepard Products, Inc. EZ, plastic bagger, Ez Packaging Corp. EZDS, presses, Prosperity Co., Div., Ward Indus-tries Corp. EAGLE, safety cans for storing and handling all kinds of volatile or inflammable liquids, Eagle Mfg. Co.

kinds of volatile or inhammable liquids, Eagle Mig. Co. EAGLE CLAW, hooks, eyes and loops, Oakville Co. Div., Scoville Mig. Co. EAGLE-PICHER, filter powder, Eagle-Picher Co. EASI-KLEEN PRODUCTS, laundry and dryclean-

EASI-ALLEEN PRODUCTS, laundry and drycleaning equipment, Easi-Kleen Products
EASTON, woven cotton belting, Victor Balata &
Textile Belting Co.
EASY, vertical and horizontal solvent pumps, exhaust fans, Easy Industries
EASY-ON, wood strut hanger, Nagel Coat Hanger
Co.

Co. EASY PRESS, manually operated drycleaning press. Goldman Pressing Machine Corp. EASY-SPOT, spray spotter, D. W. Davies & Co. EASY-TO-SEW, replacement collars, Zuckerberg

Corp.
EATON'S A G X, silver, copper and permanganate stain remover, Eaton Chemical & Dyestuff Co.
EATON'S COLORFLEX LEATHER FINISHES, grain leather finishes, Eaton Chemical & Dye-

grain leather finishes, Eaton Chemical & Dyestuff Co.

EATON'S DRISIZE, sizing-soluble in all solvents,
Eaton Chemical & Dyestuff Co.

EATON'S ECCOFORM, dry spotter, Eaton Chemical & Dyestuff Co.

EATON'S E.D.S., dry size, soluble in all solvents,
Eaton Chemical & Dyestuff Co.

EATON'S FORMULATION No. 14474, charge
soap, Eaton Chemical & Dyestuff Co.
EATON'S KONTROL, charge soap, Eaton Chemical & Dyestuff Co.
EATON'S KWICK BLEACH, reducing bleach, wet
side, Eaton Chemical & Dyestuff Co.
EATON'S NIGHT W. SOAP, wet cleaning,
soap-detergent, Eaton Chemical & Dyestuff Co.
EATON'S NON-IONIC SOAP, leather soap, Eaton
Chemical & Dyestuff Co. EATON'S NON-IONIC SOAP, leather soap, Eaton Chemical & Dyestuff Co.

EATON'S PERMEATE, water emulsifier, Eaton Chemical & Dyestuff Co.

EATON'S SIZIN, sizing, wet side, Eaton Chemical

EATON'S SIZIN, sizing, wet side, Eaton Chemical & Dyestuff Co.
EATON'S SOLBUMEN, enzyme digester, Eaton Chemical & Dyestuff Co.
EATON'S SPRAY SPOTTER, concentrated spotter, wet side, Eaton Chemical & Dyestuff Co.
EATON'S SUEDE DRESSING No. 14738, suede dressing, Eaton Chemical & Dyestuff Co.
EATON'S TITANIUM X, titanium stripper, Eaton Chemical & Dyestuff Co.
EATON'S TRISOL, oily type spotter, Eaton Chemical & Dyestuff Co.
EATON'S WATER REPELLENT No. 14428, water repellent, aqueous type, Eaton Chemical & Dyestuff Co.
ECCO, blues, ironer oil, soot removers, repellent, prespotters, tints, soaps, Eaton Chemical & Dyestuff Co.

ECCO, blues, ironer ou, such the mical & Dyeprespotters, tints, soaps, Eaton Chemical & Dyestuff Co.

ECCO DUXCOTE, water repellent, wet side,
Eaton Chemical & Dyestuff Co.
ECCODUX, dry water repellent, Eaton Chemical
& Dyestuff Co.
ECCO DYEPEN, concentrated liquid penetrating
agent for use in garment dyeing, Eaton Chemical & Dyestuff Co.
ECCO IRONER OIL, ironer oil, Eaton Chemical &
Dyestuff Co.

ECCO KOBO, odor neutralizer, Eaton Chemical &

ECCO KOBO, odor neutralizer, Eaton Chemical & Dyestuff Co.
ECCOSIZE, sizing, wet side, Eaton Chemical & Dyestuff Co.
ECCO SPOTTING PENCILS, to mark color loss, Eaton Chemical & Dyestuff Co.
ECCO WETSOL, wet or dry spotter, Eaton Chemical & Dyestuff Co.
ECLIPSE, laundry and drycleaning power plant equipment, boilers, steam generators, controlly pumps, valves, Eclipse Fuel Engineering Co.
ECLIPSE PIONEER, flexible metal hose, Eclipse Pioneer Div., Bendix Aviation Corp.
ECO, hand cream, Davis Emergency Equipment Co., Inc.

Co., Inc.
ECO, watchmen's clocks, Detrex Watchelock Corp.
ECONO, automatic laundry washer-extractor, ECONO, automatic laundry washer-extractor, American Laundry Machinery Co. ECONO, drycleaning soap, Package Chemical Co.,

Inc.
ECONO, sour, Diamond Alkali Co.
ECONO, synthetic solvent drycleaning unit, Vic
Cleaning Machine Co.
ECONO-CAL, drycleaning detergents, Caled Prod-

uets Co., Inc.

ECONOFEED, boiler feed pump and condensate
return system, Hapman-Dutton Co.
ECONOMASTER, boiler, Hapman-Dutton Co.
ECONO-MATIC, drycleaning unit, Prosperity Co.,
Div., Ward Industries Corp.
ECONOMIC, fire tube boilers, Erie City Iron

Works
ECONOMIST, boiler, Hapman-Dutton Co.
ECONOMITE REGISTERS, autographic r Autographic Register Co. ECONOMIZER, boiler, Hapman-Dutton Co. ECONO MOISTLESS, paper bands or shirtbands, Economy Tablet & Paper Co. ECONOMY, drycleaner's bag, Diem & Wing Pa-

per Co. ECONOMY, hanger bar covers, Phoenix Products ECONOMY, marking pins, Keyes-Davis Co.

ECONOMY, nylon net, Tingue, Brown & Co. ECONOMY-FIVES, tags. Stry-Lenkoff Co. ECONOMY MODEL PARIS, steam-air garment ECONOMY MODEL PARIS, steam-air garment finisher, Garment Finishing Equipment Corp. ECONOMY SOUR, laundry sour, Speedlite Chemicals Co., Fatek & Co. ECONO-FAR, small-order register, Econo-Pak Register Co. ECONO-FER, cold synthetic drycleaning unit, Vic ECON-O-FERk, solvent vapor adsorbers. Detrex Chemical Industries, Inc. ECONO-SCOOP, steel weighing hand scoop, Blenco Co.

Blenco Co.
ECONO-SOUR, laundry sour, Diamond Alkali Co.
ECONOTEX, nylon press covers, X. S. Smith, Inc.
ECONO-THERM, type V automatic reseating
"P & T" relief valve, A. W. Cash Valve Mfg. Corp. ECONOTHERM, steam boilers, Hapman-Dutton

Co., Div., American Laundry Plants, Small Equipment Co., Div., American Laundry Machinery Co., ECONTLON, nylon laundry met, Carson Textile

EFELO, finishing equipment, Draper-Eze Equip-

ment Co.
EGAN, ironer and press padding, feed ribbons,
Egan Cotton Mills
EGRY ELITE, register, business system, Egry

Register Co. "86" COLLECTOR CART, for soiled linen or laundry cart, Paul O. Young Co. 880, spray-dried, free flowing white granules, Lever Brothers Co. 886, strong soap formula, R. R. Street & Co., Inc. 843, lipstick remover, Dixo Co. 400, nylon press cover, cloth, Whitehouse Nylon Products.

EIGHTEEN COVERDUX, duck for flatwork iron-

EIGHTEEN COVERDUX, duck for flatwork iron-ers, Tingue, Brown & Co.

EIEX, wetcleaning soap, Dello Products Co.

ELAINE, red oil (oleic acid), Emery Industries,

Inc., Sanitone Div.

ELASTIGUM, roof cement, roof coating, Barrett

Div., Allied Chemical Corp.

ELCCO, drycleaning presses, press head cleaners,

puffers, spotting boards and tables, valves, In
tercontinental Mfg. Co., Inc.

ELCONITE, standard greensand zeolite, Elgin

Softener Corp.

Softener Corp.

ELDER, pins and safety pins and wire staples,

William Prym. Inc.
ELECTRA-MATIC, shirt press, New York Pressing Machinery Corp.
ELECTRI-PRESS, electric dry cleaner press,

Forse Corp.
ELECTRO, water conditioner, Stomac Engineer-

ing Co., inc. ELECTROFLUID, motorized hydraulic drive, Link-Belt Co.
ELECTRO LIFT, hoists, Electro Lift, Inc.
ELECTROMATIC, blanket edge ironer, Rosenthal

Mfg. Co.
ELECTRO-MEND, mending machines and tabs,
Simmons Machine Co.
ELECTRO NEUTRALIZER, water-conditioning
apparatus for steam boilers, Electro Chemical
Engineering Co., Inc.
ELECTRO-STAPLER, stapling machine, B. Stern-

berg ELECTRUNITE, steel and stainless steel tubing, Republic Steel Corp.
ELGIN, water softening and conditioning equipment and chemicals, water filters, deaerating heaters. Elgin Softener Corp.
ELITE, covercloth for ironers and presses, Tingue, Brown & Co.
ELITE, nylon nets and dacron nets, Fablok Mills, Inc.

ELITE TRU-PAK, autographic register, Egry

Register Co.

ELLIOTT, addressing machines, Elliott Addressing Machine Co.

ELLIS, laundry machinery, Ellis Drier Co.

ELMO, stripper, A. L. Wilson Chemical Co.

ELNA. sewing, mending machine, Mark-O Corp. ELTOREX, taste and odor removal zeolite, Elgin Softener Corp.

EL-U-VEYOR, call office conveyor. White Machine EMERALD, felt, flannel, Pittsburgh Waterproof

EMERSOL, stearic acid, Emery Industries, Inc., Sanitone Div. EMPIRE, firebrick, A. P. Green Fire Brick Co.

EMPIRE, laundry soap flakes and powdered soap, (pure), Empire Soap Co., Ltd. EMPIRE, steam traps, American District Steam

EMPIRE 300 AND 120, washer-extractor com-bination, laundry, Empire Laundry Equipment

ENDOR, steam tumbler, Hammond Laundry-Cleaning Machinery Co.

END-O-RUST, rust remover and metal conditioner, The Peters Co., Div. Toledo Paint & tioner, The Chemical Co ENDURO, coil-spring press pad, Zeidler Mfg. Co.,

ENDURO, rice starch and other laundry supplies, Aurora Mfg. Corp.

EA, drycleaning presses, Prosperity Co., Div. Ward Industries Corp. E-C, soap systems, loading hoppers, lint collectors, piece counters, conveyor, Eastern Cyclone Con-veyor System, Inc.

ENDURO, stainless steel, Republic Steel Corp.
ENERGETIC W-100, soil emulsifier, Armour & Co., Industrial Soap Dept.
ENERGEX, drycleaning detergent-emulsifier, Penssalt Chemicals Corp.
ENERGY, gas-fired air heater for drycleaning equipment, Norman Control Co.
ENGINAIR, compressor, Washington Air Brake Co., Industrial Products Div.
ENSTAPH, group of complete germicidal laundry compounds, Swift & Co.
ENZYMERSE, enzymic digester, George E. Mead Co. EOSOL, paint, oil and grease remover, Krasan Products, Inc.
ERAD-INK, ink remover, A. L. Wilson Chemical

Co.

ERADOL, color stripper, National Cleaners Chemical Mfg. Co.

ERASE, deodorant, Signal Chemical Mfg. Co., Inc.

ERASINE, ink remover, Lewis National Corp.

ERIE CITY, boilers, underfeed stokers, Erie City
Iron Works

ERIE CITY, boilers, underreeu stores, Iron Works
ERIE WHISTLE TIMER, whistle timer valve, Erie Mfg. Co.
ERIFON, fame retardant, E. I. du Pont de Nemours & Co., Inc.
ERIMCO, rug conveyor and equipment, American Laundry Machinery Co.
ERUSTICATOR, rust stain remover, Pennsalt Chemicals Corp.
ERUSTO, blue, spot and stain remover, dry and wetcleaning soaps, laundry sour, Pennsalt Chemicals Corp. wetcleaning soaps, laundry sour, Pennsalt Chemicals Corp. ERUSTO-BLUE #16, laundry blue, Pennsalt Chemicals Corp.

ERUSTO-CETIC, wet cleaning sour, Pennsalt Chemicals Corp.
ERUSTOCIDE, laundry sour, and moth detergent,
Pennsalt Chemicals Corp.
ERUSTO EXTRA, modern sour for resin-treated
fabrics, Pennsalt Chemicals Corp.
ERUSTO FILTER SOAP, drycleaning soap used
with petroleum systems, Pennsalt Chemicals
Corp.

ERUSTOLIN A & B, laundry sour, Pennsalt ERUSTO LIQUI-BLUE, laundry blue, Pennsalt Chemicals Corp. ERUSTO-MAX, laundry sour, Pennsalt Chemicals

Corp.
ERUSTO OIL, PAINT & GREASE REMOVER, spot remover, Pennsalt Chemicals Corp.
ERUSTO-RAY, laundry sour, Pennsalt Chemicals

Corp.
ERUSTO-RAY B-C, fabric brightener sour with blue. Pennsalt Chemicals Corp.
ERUSTO SALTS, laundry sour, Pennsalt Chemi-ERUSTOSOL, liquid laundry sour, Pennsalt Chem-

icals Corp. ESCO, high pH soap builder, Cowles Chemical

Co.

ESCOFOS, water conditioner and soap regenerator, Cowles Chemical Co.

ESCOLIN, soap builder, Cowles Chemical Co.

ESCOLITE, medium pH soap builder, Cowles

Chemical Co.

ESCOLLOID, soap builder, Cowles Chemical Co.

ESCOL 77, high pH soap builder, Cowles Chemical Co.

ESCOMET, laundry alkali, Cowles Chemical Co. ESCOMO BLUE, rosaniline blue, Cowles Chemica

CO.

SSCO-SAVON, hot-water soap (east of Rockies only). Cowles Chemical Co.

ESPESOL, aliphatic and aromatic solvents, Eastern States Petroleum & Chemical Co., Div. Sig-

ern States Petroleum & Chemical Co., Div. Sig-nal Oil & Gas Co. ESPESOL DRIREX, super-fast evaporation and low odor stoddard solvent, Eastern States Pe-troleum & Chemical Co., Div., Signal Oil & Gas ESSICK, evaporative air conditioners, Essick Mfg.

ESSO BOND, air-setting, high-temperature ce-

ESSO BOND, air-setting, high-temperature co-ment, Remitie Co.

FTERNIT, abbestos-cement sheets for roofs and sidewalls, Ruberoid Co.

ETERNIUM, pitch base paint, Barrett Div., Allied Chemical Corp.

ETHRO, rog and carpet shampoo, North Coast Chemical & Soap Works

EULANS, mothproofing agents, General Dyestuff Corp.

Corp.
EURECO, ventilating system, Eure & Co.
EUREKA, belt dressing, Standard Oil Co.
EUREKA, marking pins and pin trays, Keyes-Davis

EVER-MOIST, canvas basket liners (nylon), F. H.

Bonn Co.

EVERREADY, hat and garment boxes, Automatic
Paper Box Corp.

EVERSAN, purifying and sanitizing finish of textiles, Ions Exchange & Chemical Corp.

EVER TRED, vinyl plastic link matting, American
Mat Comp.

Mat Corp.

EVERWEAR, nylon press covers and cotton padding, Tingue, Brown & Co.

EVRTYTE, steel valves, Strong, Carlisle & Hammond Div,
EWART, detachable link belt chain, Link-Belt Co.
EWING PONY, wood pony laundry washer, R.
Ewing & Sons, Inc.
EXACTO, pre-numbered marking tags, hanger
racks, loop assembly hooks, clips, belt wheel,
rack dividers, counting devices, staples and
stapling machines, identification, Inc.
EXACTO CHALLENGER, drycleaning marking
tags, Identification, Inc.

tags, Identification, Inc. EXCELL-O, cellophane tying ribbon, Freyberg BACELL-O, cellophane tyme ribbon, Freyberg Bros.-Strauss, inc. EXCELSIOR, puff irons, fabric head unit, men's shoulders, Excelsior Machinery Co. EXCELSIOR, hatters' and steam spotting, finish-ing equipment, Excelsior Machinery Co. EXCELSIOR OFFSET, silk press, Excelsior Ma-

chinery Co.

EXCELSIOR RINN CALLVEYOR, Excelsior Ma-

EXECUTIVE LA-DOWN STAIZ, collar protector,

Time Savers, Inc. EX-GO, silver nitrate stain and tarnish remover, A. L. Wilson Chemical Co. EXHAUSTEAM, steam purifier, Morehead Manufacturing Co.
EXIDE, storage batteries, Electric Storage Battery

Co.

EXIDUST, industrial vacuum cleaners, Lamson
Corp., Blower Div.
EX-IT No. 828, drycleaning solvent deodorant,
Le Fevre Chemical Co.
EX-IT No. 228, laundry odor control, Le Fevre
Chemical Co.
EXPANDO, collar supports, Time Savers, Inc.
EXPELSIOR, pneumatic sewage ejector, Yeomans

Bros. Co.
EXPRESS, tape moisteners, Better Packages, Inc.
EXSIZE, desizing agent, Pabst Brewing Co., Industrial Products Div.
EXSIZE-T, starch-removing desizing agent, Pabst
Brewing Co., Industrial Products Div.
EX-SOIL-O, drycleaning soap, Davies-Young Soap

EXTRACTETTE, extractor, Cook Machinery Co., Inc.

EXTRACTOR by COOK, 20" and 26" extractors,
Cook Machinery Co., Inc.

EXTRACT-O-SLING, centrifugal extractor, Slings,

Inc.
EXTRAULIC, hydraulic laundry extractor, American Laundry Machinery Co.
EXTRON, drycleaning washer extractor, Hoffman International Inc.
EXTRUDO FILM, polyethylene film, Extrudo Film

EXTRUDO FILM, polyethylene film, Extrudo Film Corp.

EXZYME, enzymic spotting agent, Pabst Brewing Co., Industrial Products Div.

EYE-OPENER, service indicator tags, Liberty Marking Tag Co., Inc.

EZ-CLEAN, drycleaning soap, Dello Products Co.

EZ-DUZ-1T, all purpose spotter, Dixo Co., Inc.

EZ-LOX, collar supports, Time Savers, Inc.

EZ-OFF, metal cleaner, Boston Clip & Tag Co.

EZ-OFF, metal cleaner, Boston Clip & Tag Co.

EZ-OFF, metal cleaner, Boston Clip & Tag Co.

EZ-OFT, washing machine, metal, laundry, Henrici Laundry Machinery Co.

EZ-SQUEEZE, water spray gun, Dryco Corp.

EZ-Z TO SEW, pillow ticks, Zuckerberg Co.

EZY RUG, vinyl plastic link matting, American Mat Corp.

F

F.B., loose-leaf holders, Speed Products Co., Inc. F.B.C., drycleaning detergent, Fry Bros. Co. FF, tickings, Freund, Freund & Co. FT, package fire tube steam generators, Eric City Iron Works
F & E, underfeed stokers, Flynn & Emrich Co. FAB, detergent, Colgate-Palmolive Co. FABLOR, premium nylon nets, Fablok Mills, Inc. FABRICARE, drycleaning finishing equipment, Bishop Freeman Co. FABRIC FEEL, pressing machine pressure control, Pantex Mig. Corp.
FABRICHEAD, puff irons, Excelsior Machinery Co.

FABRI CLENE, drycleaning detergents, Lincoln

Research, Inc. FABRICOL, drycleaning detergent, R. R. Street & FABRIC-RENEWING, press plates, Bishop Free-FABRIC-SAFE DOUBLEPLATE, press plate,

Bishop Freeman Co. FABRI FIN, fabric conditioner, Lincoln Research, FABRI LURE, stain sealer, Lincoln Research, Inc. FABRI PELS, water repellents, Lincoln Research,

FABRI SIZES, dry and wet sixings, Lincoln Re-FABRISOF, liquid fabric softener, Keever Starch Co., Keever Beach Div.

FABRIT, heat-sealing mending tape, Madison Products Co., Lucas Products Co. FABTEX, water repellent, D. W. Davies & Co. FABTEX, water repellent, Merson Products Co.,

FAB-TEX, water repellent, Spix Products Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 262.

FAIRBANKS, valves, trucks, casters, wheels, Fair-

banks Co.
FARBANKS-MORSE, pumps, motors, engines, stokers, Fairbanks Morse & Co.
FAMILY "OUICK PACK," laundry bag, paper, Gaylord Container, Div. Crown Zellerbach

Corp.

FAMILY WORK STARCH, thick boiling corn starch, Keever Starch Co., Keever Beach Div.

FAMOUS 50, hand numbering machine, Roberts

FAMOUS 50, hand numbering machine, Roberts Numbering Machine Co. FAN-PAC, packaged ventilation, DeBothezat Fans Div., American Machine & Metals, inc. FANTOM-BANTAM, invisible identification system, National Marking Machine Co. FANTOM-FAST, invisible identification system, National Marking Machine Co. FANTOM-MASTER, invisible identification system, National Marking Machine Co. FANTOM-MASTER, invisible identification system, National Marking Machine Co. FARNSBY, custom shirts, Henlein Bros. Co. FASEL, prespotter, Package Chemical Co. "FASHION AWARD", drycleaning systems, Manitowoc Engineering Corp.
FASHIONER, automatic steam-air garment finisher, Wichita Precision Tool Co., Inc.

FASHIONER, automatic steam-air garment finisher, Wichita Precision Tool Co., Inc.
FASTEX, paint, oil and grease remover, Start Chemical Co., Inc.
FASTOGENE, textile finishes and assistants, American Antline Products, Inc.
FAX, wet and dry sizings, Caled Products Co., Inc.
FAX, wet and dry sizings, Caled Products Co., Inc.
FEATHERI, air compressor valves, Worthington Pump & Machinery Corp.
FEATHERILGHT, foot operated drycleaning presses, New York Pressing Machinery Corp.
FEEL-TEX, fur-like finish, Fur Feel Corp.
FEEL-TEX, fur-like finish, Fur Feel Corp.
FELAN, durable water-repellent finish, E, I, dn Pont de Nemours & Co., Inc.
FELINS PAK TYER, bundle tying machine, Felins Tying Machine Co. Tying Machine Co. FELTEX, nylon D. F. flannel, Gibraltar Fabrics,

FEND, protective hand cream, Mine Safety Ap-

pliance Co.
FERRENEWO, angle check and globe valves,
Lunkenheimer Co.
FERRIMAG, ceramic permanent magnets, Crucible Steel Co. of America
FERROSAND, iron-removal greensand zeolite,
Hungerford & Terry, Inc.
FERROVAC, vacuum melted steel, Crucible Steel
Co. of America
FeSOLV, rust removing sour, Cowles Chemical Co.
FEITRON synthetic fiber felts American Felt

FeSOLV, rust removing sour, Cowles Chemical Co. FEUTRON, synthetic fiber felts, American Felt Co. Classification of the control of

FILTERMASTER, solvent filters, Hopkins Equipment Co.,
FILTER-SOL, liquid drycleaning soap, DaviesYoung Soap Co.
FILTERSTILL, filters, Martin Equipment Co.,
Div. American Laundry Machinery Co.
FILTROL DC, absorbent filter sid, Filtrol Corp.
FILTROL DC, absorbent filter sid, Filtrol Corp.
FILTROLS Co., Inc.
FILTROSAN, drycleaning soap, Staddard solvent,
Stater-Robbins Co., Inc.
FILT-R-OUT CONCENTRATE, liquid drycleaning soap, Caled Products Co., Inc.
FINISH 21, dye fixer, Apex Chemical Co., Inc.
FINISH 21, dye fixer, Apex Chemical Co., Inc.
FINNELL, starch reclaimer, Lewis National Corp.
FIREBOX, Coal, oil, gas stokers, high and low
pressure, Kewanee Boiler Co.
FIRE-CHEX, roofing shingles, Philip Carey Mfg.
CO.
FIRE-CHEX, roofing shingles, Philip Carey Mfg.

FIREITE, asbestos furnace cement, Johns-Manville FIREYE, safeguards, controls, Combustion Control Corp.
FIREFLY, asbestos pads, Firefly Asbestos Products

Co.
Co.
Co.
Co.
Co.
FIRE GUARD, insulation, Philip Carey Mfg. Co.
FIRE GUN, fire extinguishers, American-La
France-Foamite Corp.
FIT-ALL, sleeve forms, Davis Specialties, Inc.
5-L, laundry starch Clinton Foods Inc.
5-Z SPOTTER, all-purpose spotter, Dixo Co.
FLAG-O-MATIC TAGS, for the marking tags,
Philip I, Resum, Inc.

Philip L. Braun, Inc.
FLAG-TAGS, special tags, Stry-Lenkoff Co.
FLAIR, sport shirt pack, Scientific Packages, Inc.
FLAIR, sport shirt pack, Scientific Packages, Inc.
FLAIR, sport shirt pack, Scientific Packages, Inc. Berliner Associates FLAME CHEK, flameproofing agent, Chek Prod-

FLAME PROOF XWX, flameproofing agent, Apez Chemical Co., Inc. FLAMONEL, monel press pads, Resillo Press Pad

Co.

FLAN-L-TEX, metal press pads, X. S. Smith, Inc.
FLAN-O-WOOL, steel wool fianuel top pad,
Keever Starch Co., Keever Beach Div.
FLASH, shirt packages, Scientific Packages, Inc.
FLEEGGUARD, ironer pads and covers, Gibral-

tar Fabrics, Inc.

PLETCHER, extractor, Fletcher Works, Inc.

FLEXCO, belt fasteners, Flexible Steel Lacing Co.

FLEXTE, rubber buckets, dippers, funnels, B. F.

Goodrich Co.

TRADE NAMES FLEXO, built powder, Swift & Co., General Soap FLEXON, corrugated expansion joints, Flexonics Corp.
FLEX-16, carpet and upholstery cleaning detergent, Signal Chemical Mfg. Co., Inc.
FLEX V, belt fasteners, Flexible Steel Lacing Co.
FLIK, paint, oil and lipstick remover, Stamford Chemical Co. Chemical Co.
FLINT CHIPS & POWDER, neutral soaps, Armour & Co., Industrial Soap Dept.
FLOORKOTE, enamel, Tropical Paint & Oil Co.
FLOORMASTER, trucks, Lewis-Shepard Products, Inc.
FLOOR-VEYOR, permanent installation power
belt conveyor, Rapids-Standard Co., Inc.
FLOREDT, air deodcrant, Colgate-Palmolive Co.
FLOW-CLEAN, washer-extractor, Fletcher Works, FLOW-COLD, coolers, air, ofl, water, Acme Industries, Inc.
FLOW-MASTER, conveyors and speed rails, racks,
Flow-Master Machine Corp.
FLOW-MIZER, mechanical refrigeration, Acme
Industries, Inc.
FLOW-PAC, solvent coolers, Acme Industries, Inc.
FLOW-RATOR, variable area flow meter, Fischer
A Parter FLOW-RINSE, drycleaning extractor-rinser, Fletcher Works, inc.
FLOW-TEMP, convectors, Acme Industries, Inc.
FLOW-THERM, coolers, air, oil, water, Acme Industries, Inc.

fLUFFED EDGE, padding cotton, Pittsburgh Waterproof Co., low sudsing synthetic detergent, Lever Bros., Co. FLUFFEX, fabric conditioner, textile softeners, National Textile Chemical Co. FLUIDRAM, underfeed stoker, Erie City Iron Works
FLUORIUM, powdered fabric brightener, Keever
Starch Co., Keever Beach Div.
FLUSH, fatty acid eliminated (liquid), Dello Prod-FLUTRON, ruffle ironer, Maxant Button & Supply FOAMANEL, sponge press pads, Resillo Press Pad Co.
FOAM-ASBESTOS, foam rubber laminated drycleaning pads, Gustin-Kramer Co.
FOAM-CRAFT, foam rubber press pads, plastic
foam hanger covers, press padding, Foam Craft
Froducts Co.
FOAMEK, neutral lubricant, Benda Products, Inc.
FOAMEK, neutral lubricant, American-La FranceFoamite Corp. Foamite Corp.
FOAMSUDS, liquid coconut soap, E, F, Drew & Co., Inc. FOLD-A-MATIC, automatic shirt folding machine, Pantex Mfg. Corp. FOLD-A-WAY, shirt baskets and trucks, Time Savers, inc. FOLD-KING, shirt-folding device, Time Savers.

FOLDMASTER, small piece flatwork folder, American Laundry Machinery Co. FOLD-MASTER, shirt folding device, Time Savers. Inc.
FOLD-O-LECTRIC, pre-coded lot system tag for
cleaners with machine automation, Textile
Marking Machine Co., Inc.
FOLDRIFE, Marvork folder, American Laundry
Machinery Co.
FOLDRITE, shirt folding and finishing equipment,

FOLDRITE, shur rolding and minima.

Time Savers, Inc.

FOLESTAK, automatic flatwork folder & stacker,
American Laundry Machinery Co.

FOOT-EEZ, rubber health mat, American Floor
Products Co.

FOOTROL, foot switches, General Control Co.

FORCE-FLO, blast type convector with fan,
Trans-Co. Trane Co.

FORD, gasoline trucks and engines, Ford Div.,
Ford Motor Co.

FOREL, high sudsing built syndet, Keever Starch
Co., Keever Beach Div.

FOREVER, pins and safety pins, A. Goodman &

FORMANIL, aniline dyes, American Aniline Producis, Inc FORMATIC, shirt finishing equipment, American Laundry Machinery Co. FORMATIC, shirt finishing equipment, American Laundry Machinery Co. FORM-A-TIME CONTROL, washer timer, Van

Chemical Co.

FORM FIT, garment hangers, Pacific Coat Hanger
Mfg. Co. FORMFIT, shirt protectors, Sutherland Paper Co. FORM FLOW, autographic registers, Standard

FORM-MASTER, payroll system, Todd Co., Inc. FORMMASTER, portable forming machine, Wal-ter Haertel Co. FORMOLD, plastic mold steel, Crucible Steel Co.

of America
FORM-RITE, collar shaper, Huebsch Originators
Div., American Laundry Machinery Co.
FORMULA CONTROLS, INC., formula control
for washers, Formula Controls, Inc.
FORMULA E-23, concentrated detergent, Mar-

FORMULA 880, spray-dried, free flowing white granules, Lever Brothers Co.

FORMULA 886, strong soap formula, R. R. Street

FORMULA L-232, protein digester spot remover for dip or bath. Pabst Brewing Co., Industrial

Froducts Div. 54, 4% clear, no-rinse charge, Marclene Products Corp.

FORMULA 1974, 4% clear, no-rinse charge, Marclene Products Corp.

FORMULA 177, synthetic soap powder, West Side

FORMULA S, built, powdered, low-titer soap, and fur cleaning supplies, Swift & Co., General

Soap Dept
FORMULA 770, spray-dried to homogeneous freeflowing beads, Lever Brothers Co.
FORMULA 60, high-titer laundry soap, New
South Mrg. Co., Inc.
FORMULA 12, drycleaning soap, Package Chem-

icals Co., Inc. FORMULA W-51, ink remover, A. L. Wilson

Chemical Co.

Chemical Co.

FORMULATION No. 14174, charge soap, Eaton Chemical & Divestuff Co.

FORMULATION L-252, enzymic digester, Pabst Brewing Co., Industrial Froducts Div.

FOR-SEC, synthetic drycleaning unit, Forse Corp.

FORSE-CLEAN, 50 lb, synthetic drycleaning machine, Forse Corp.

FORSE-ELROD, silk unit and automatic pants finishing unit, Forse Corp.

FORSE GARMENT FINISHING UNIT, utility press, silk unit and auto pants to finisher, Forse Corp.

Corp.
FORSE MASTER, presses, laundry and drycleaning equipment, Forse Corp.
FORSE VELOCITY STEAM, increases heat output

in steam system, attacking condensate and air films, Forse Corp.
FORTIFIED POWER-PAK, concentrated charged-system detergent, Pennsalt Chemicals Corp.
FOSKLOR, chlorinated sodium phosphate, West-vaco Chlor-Alkali Div., Food Machinery & Chemical Corp.

vaco Chlor-Alkali Div., Food material, chemical Corp.
FOSTER-STEPHENS, window posters, photo truck-posters, sales promotion material, newspaper mats, Foster-Stephens, Inc.
FOUR-ACES, synthetic wetcleaner in powder form, National Cleaners Chemical Mfg. Co.
400, liquid drycleaner, Adoo, Inc.
411, powdered synthetic detergent, Armour & Co.
460, power conveyor, Richards-Wilcox Mfg. Co.
422, built anionic synthetic detergent, Armour & Co.

FOXBORO, indicating, recording, controlling in-struments, Foxboro Co. FRACTO-CRETE, castable refractory, Ramtite Co. FRANKLIN, steel products, Bernard Franklin Co.,

FRANKLIN, steel products, Bernard Franklin Co., Inc.
FRANKLIN'S, cement treatment, cleaners, polishes, wares, wood seal, Franklin Research Co.
FRE-BIR-PAC, cloth counters, automatic towel and diaper counters, Fre-Bir-Pac, Inc.
FREE-FLO, drycleaning pressure filter, Gross Machinery Co., Inc.
FREEMAN "No GLAZE." fabric-safe double-plates, drycleaners press plates, lusterplate double plates, Bishop Freeman Co.
FREE-VANE, air-operated controller, Bristol Co.
FREE-VANE, electric controller, Bristol Co.
FREENCH-TEX, suede and leather cleaning and dyeing process, La France Dye House
FRESH-AIR MAKER, fans, blowers, Schwitzer-Cummins Co.

FRESH-AIR MAKER, fans, blowers, Schwitzer-Cummins Co.
FREUND, tickings, Freund, Freund & Co., Inc.
FRIEND RCL, rug shampoo, Friend Soap Co.
FRIGIDAIRE, air conditioners, washers automatic,
washers, laundry, coin-operated, Frigidaire
Div., General Motors Corp.
FRINGE-IT, fringe cleaner, Certified Chemical &
Equipment Co.
FRINGE-RITE, bleach, Coastal Chemical Corp.
FROST-PROOF, pipe covering and blocks, Ruberoid Co.

eroid Co.
FRUGAL, soap, Minnesota Chemical Co.
FRYBRO, black indelible marking ink, ironer oil,
Fry Bros. Co.
FRYE, dee dippers, E. B. Frye & Son
FRY'S SPECIAL, clipper laced aprons, Fry Bros.

Co. RUBBER MARKERS, colored identification markers. Skrandel Co. FUELEX, sludge solvent, Coastal Chemical Corp. FUEL-SAVER, boilers, International Boiler Works

FULFLO, filters for industrial fluids, gases and compressed air, Commercial Filters Corp.
FULFLO, Isundry nets and fabrics, Davis Mills

Inc.
FULL SLIP-ON, laundry and drycleaning press
machine covers, F. H. Bonn Co.
FULTON, laundry nets, Southern Mills, Inc.
FULTON, small-horsepower steam boilers, Fulton
Boiler Works, Inc.
FUME-FITE, acid resisting enamel, Tropical Paint

& Oil Co.
FUMOL. mothproofing agent, Fumol Corp.
FUMOL 56, insecticide, Fumol Corp.
FUMOL MOTH SECTOL, moth proofer, Fumol FUMOI, OS40 and \$\$200, mothproofers, Fumol

FUMOL SILICONE, water repellent, Fumol Corp. FUR CLENE, fur and synthetic pile coat lining cleaning solvent, Walter Haertel Co. Cicaning solvent, Walter Haertel Co.

FUR.E-OIL, re-oiling and softening agent for furs
and leathers, Package Chemical Co., Inc.

FUR FEEL, pile fabric process, Fur Feel Corp.

FUR FROST, cleaner for deep-pile fur fabrics,

White Frost Chemicals, Inc. FURLON, fur glaze, Nycco Products Co. FURNAS-CRETE, castable refractory, Mexico Refractories Co. FUR-RAY, fur cleaner and reconditioner, Jay-Dee, Inc., Mfg. Chemists FUR-SAN, fur cleaner, Huntington Laboratories, Inc. FUR SHEEN, fur and synthetic pile coat cleaner, Walter Haertel Co.

G

"G", unit type stationary compressors, Le Roi Div., Westinghouse Air Brake Co.
GFD'S, hot air dryers, Hoyt Mfg. Corp.
GFT, tumblers, Isundry, dry cleaning, Western Laundry Machinery Co.
GFTT, gas power fork truck, Lewis-Shepard Products, Inc.
G & G, liquid or powdered stripper, bleacher, G & G. Chemical Co.
GOP, grease, oil and paint remover, Eaton Chemical & Dyestuff Co.
G & F, grease and paint remover, Warco Laboratories, Inc.
G & F, grease and paint remover, warco Laboratories, Inc.
GABRIEL, boilers, heat exchangers, pressure tanks, Gabriel Boiler & Fabrication Co.
GAELIC, pins and safety pins, A. Goodman & Co.
GAFERS & SATTLER, air-conditioners, (evaporative) coolers, sir, recirculating pumps, Utility Appliance Corp.
GARO, wire hangers, wire trouser guards, collar supports, skirt clips, press pads, hanger combiners, Garment Hanger Co.
GARD, combined flameproofing and mothproofing agent, U. S. Chemical Products Co.
GARMENT "QUICK PACK," garment bag, paper, Gaylord Container Div. Crowa Zellerbach Corp.
GARONER-DENVER, air compressors, pumps, Gardner-Denver Co.
GASWAY, gas and steam heated flatwork fromers, Gasway Corp.
GATOR HIDE KRAFT, wrapping paper, International Paner Co. Southern Kraft Div.

GATES, heavy duty industrial V-belts, Gates Rubber Co.
GATOR HIDE KRAFT, wrapping paper, International Paper Co., Southern Kraft Div.
GAVSCO, valves, Golden-Anderson Valve Specialty Co.
GAY, liquid detergent, Tower Chemicals, Inc.
GAYLON, liquid detergent, brightener for synthetic fibers, Tower Chemicals, Inc.
GELEP, wet and dry spotter, Keystone Aniline & Chemical Co., Inc.
GELATEX, paint, oil, grease remover, Signal Chemical Mig. Co., Inc.
GELATONE, liquid size and finish, R. R. Street & Co., Inc.
GEM. grease cups, Lunkenheimer Co.
GEM. grease cups, Lunkenheimer Co.
GEM. grease cups, Lunkenheimer Co.
GEMERAL, fire trucks, General Detroit Corp.
GENERAL, perchlorethylene drycleaning units, Martin Equipment Co., Div. American Laundry Machinery Co.
GENERAL, liquid soap dispenser, General Equip-

Machinery Co.
GENERAL, liquid soap dispenser, General Equipment Co.

GENERAL ELECTRIC, electrical equipment,
General Electric Co.
GENERAL FORMULA, general formula, Lustrol
Drycleaning Products, Div. Patek & Co.
GENERAL FORMULA, stain remover, G & G Chemical Co.
GENERAL FORMULA 209, spotting agent, R. R. GENERAL FORMULA 209, spotting agent, R. R. Street & Co., Inc.
GERMITEX, sour, Hood Chemical Co., Inc.,
Crescent Div.
GIANT, built high-tire soap powder, Armour &
Co., Industrial Soap Dept.
GIANT, hydraulic extractor, Strike's Laundry Machinery, Incline Co.

chinery, Inc.
GIANT, net pins, Keyes-Davis Co.
GIBRALTAR, marking and printed tags, Gibraltar Products Co.
GIBRALTAR, nylon flatwork froner tape, Gibraltar

chinery. Inc.

Fabrics, Inc. TRI-PRONG CLIP, skirt hanger fastener, Gibraltar Products Co.
GIFCO, tags. H. M. Gifford Mfg. Co.
GIFCO, tags. H. M. Gifford Mfg. Co.
GILGR-NTE, casters, Clinton Products Co.
GILMER, V-belts, fat belting, woven belting, New York Belting & Packing Co.
GILT EDGE, round leather belting, I. B. Williams & Son.

& Son.
GLAMOR, garment hangers. Keyes-Davis Co.
GLAMORENE, rug cleaner, rug brush, foam upholstery cleaner, Glamorene, Inc.,
GLAZEEN, fur glazing fluid, Package Chemical

GLAZEEN, fur glazing fluid, Fackage Gleensca, Co., Inc.
Cl. AZOLENE, fur luster, Nycco Products Co.
GLEEM, fluuid wetcleaning soap, Trico Chemical
Div., Tri-State Equipment Co.
GLENN ANDERSON, paper collar supports, Andean Collar Support Co.
GLENZIR, IR., zippor repair tools, Glenzip Co.
GLIDE, ironing surface lubricant, Patek & Co.
GLIDE LINER, pressing machines, laundry power
presses Unipress Co.
GLIDE-O-MATIC, shirt-finishing unit, Unipress
Co., Inc.

GLIDER, electric irons, J. W. Steele & Co. GLIDER, pressing machine, Loyal Textile Machin-

GLIDER, pressing machine, Loyal Textile Machinery Corp.
GLIM, detergent, General Aniline & Film Corp.,
Special Products Sales Div.
GLISS'N, cleaning, compounds, mothproofing,
GLISS'N, cleaning compounds, mothproofing,
GLOBE, drycleaning marking and strip tags,
Globe Ticket Co. of New England
GLOBE, laundry, drycleaning washers, American
Cleaners Equipment Co., Div. American Laundry Machinery Co.
GLORY, tallow soap chips, Swift & Co., General
Soap Dept. canvas products, C. R. Daniels, Inc.
GLOVER, cleaners' specialties, Bill Glover, Inc.
GLOVER, automatic air form finishing unit, Bill
Glover, Inc. Glover, Inc. GLU-TONE, for airplane glue stains, Spix Prod-

ucts Co.
GLUV-NU, glove soap, Davies-Young Soap Co.
GMC TRUCKS, motor trucks, GMC Truck &
Coach Div., General Motors Corp.
GO-BACK, basket conveyor, Time Savers, Inc.
GO-BACK, conveyors for flatwork presses, Rosenthal Mig Co.

GO-BACA, conveyors for natwork presses, nosen-thal Mig. Co.
GOLDEN ARROW COVER N PAD, padding for drycleaning pressing machines, Arrow Mig. Co.
GOLDEN FLAKE, laundry soaps, Fry Bros. Co.
GOLDEN KEY, superstandard gummed sealing tape for laundry packaging, Rowe Enterprises, Try.

Inc.
GOLD-FLO, boilers and condensation return system, Goldman Pressing Machinery Corp.
GOLD LINE, laundry fabric, Tingue, Brown &

GOLD MEDAL, hatters' chemicals, machinery, Hatters Supply House, Inc. GOLD MEDAL, laundry nets, Southern Mills, Inc. GOLD MEDAL, neutral soap, Swift & Co., Indus-

trial Soap Dept.
GOLDSEAL, colored specialty tape, Gummed Tape & Devices Co.
GOLD SEAL, rug shampoo, Huntington Labora-

tories, Inc.
GOLD STAR, feed ribbons, New York Belting &
Packing Co.
GOMACO, non-slip trouser guards, wire hangers,
collar forms and supports, hat boxes, Goldman

collar forms and supports, inc.
Mig. Co.
GOOD FORM, garment hangers, Pacific Coat
Hanger Mig. Co.
GOODRICH rubber hose, belting, packing, B. F.
Goodrich Co.
GOOSENECK, garment bagger, A. G. Vara & Son,

Inc. GORTON, air eliminators, Gorton Heating Corp. GOVERNOR, nylon net, knitted, Gibralter Fab-

GRAND, hatters' equipment, supplies, Maxant Button & Supply Co. GRANTE, nylon laundry net, Gibraltar Fabrics,

Inc.
GRANOLITH, paint for brick, concrete, stucco,
Barreled Sunlight Paint Co.
GRA-SOL, grass stain remover, Warco Laboratories
GRANTHAM, tumbler, T. L. Smith Co.
GRANUWAX, granulated wax, Lewis National

Corp.
GRAVES & MARSHALL, water heaters, heat exchangers, pressure and storage tanks, Graves & Marshall Co.
GREASEX, solvent oil for industrial washing, Patek & Co.
GREASOLV, oil, paint, grease remover, Edelmuth Mig. Chemists

Mig. Chemists
GREAVES, silent bakelite gears, milling machines,
Greaves Machine Tool Co.
GREENBACK, apron duck, John T. Stanley Co.,

Inc.
GREEN BUBBLES, soap powder, Minnesota

GREEN BUBBLES, soap powder, Minnesota Chemical Co.
GREENCOTE, refractory maintenance coating, A. P. Green Fire Brick Co.
GREEN GLO, oil soap, Allen B. Wrisley Co.
"GREEN LABEL," laundry textile fabrics and flatwork ironer aprons, R. Lally Co.
GREEN LABEL, builder compound, Solvay Sales Div., Allied Chemical Corp.
GREEN LINE, flatwork ironer tape, R. Lally Co.
GREEN GLIVE, soap, Rome Soap Mig. Co.
GREENSTRIPE, cover cloth, John T. Stanley Co., Inc.

GREEN STRIPE, padding, William E, Hooper &

GREEN STRIPE, padding, William E. Hooper & Sons
GREENZYME, digestive enzyme, Greenville Chemical Co.
GREIF, hangers, guards, Greif Bros. Cooperage Corp., Wire Garment Hanger Div.
GRESOL, break powder, Speare Co.
GREYHOUND, extractor, synthetic washer, wash-wheel Hercules Laundry Machinery Co., Inc.
GREY-ROCK, brake lining, clutch facings, brake blocks, Revolite Div., Raybestos-Manhattan, Inc.
GRIMES, air compressors, Grimes Co.
GRIPPER, snap fasteners, Oakville Co., Div., Sco-vill Mig. Co.
GRIPPO, slip-resistant trouser guard. Patek & Co.
GRIPPO, son-alip trouser guard. Patek & Co.
GRIPPO, and propose spotter, paint, oil and grease GRIPPO, all purpose spotter, paint, oil and grease remover, L. M. Leathers' Sons GRIPTEX, liquid rubber, Adhesive Products Corp. GRIPTITE, bagging rod clamp, Bishop Freeman

Co. GRIP-TITE, marking tags, Liberty Marking Tag

GRIPTITE, rug pole hangers, American Laundry

Machinery Co.
GROMMET GRIP, reinforced grommets for nylon
nets, Gibrsitar Fabrics, Inc.
GROSS, drycleaning extractors, filters, tumblers,
washers, Gross Machinery Co., Inc.
GROSSAIRE, open-end tumbler, Gross Machinery

Co., Inc.
GROSS-EX, drycleaning washer-extractor, Gross
Machinery Co., Inc.
GROSS-OMATIC, affety petroleum drycleaning
unit Gross Mechinery Co., Inc.
GROSS STAR LITTLE GIANT AIR VAC, vacuum system for pressing machines, L. Behrstock

Co.
GROSS STAR SCREEN ASBESTOS PAD, asbestos pad protectors, L. Behrstock Co.
GROSS-X, tumbler, Gross Machinery Co., Inc.
G-SEAL, pipe joint compound, Ouigley Co., Inc.
G-SEOL, drycleaning soap, G & G Chemical Co.
GUARANTEED, built, powdered high-titer laundry soap, Swift & Co., General Soap Dept.
GUARDIAN, nylon knitted laundry nets, Fablok Mills, Inc.

Mills, Inc.
GUARDIAN, hanger covers, shirt bands, garment
bags, trouver guards, Great Eastern Paper Converters, Inc.
GUARDSMAN, watchclock. Detex Watchclock

CORP.
Corp.
Corp.
GULF, petroleum and Stoddard solvents, rust preventatives, greases and lubricating oils, Gulf Oil Corp.-Gulf Refining Co.
GUMCRAFT. gummed, mending and printed tapes, Gummed Tape & Devices Co.
GUTH GERM-KILLING LIGHTS, bactericidal lighting equipment, Edwin F. Gult Co.
GYROL, fluid drive, transmission-variable speed, American Blower Corp., Div. American-Standard

H, water soluble grease, Keystone Lubricating Co. H & A, size, H. & A. Sizing Co.
HCR, high capacity cation exchanger, National Aluminate Corp.
HD, belt tasteners, Flexible Steel Lacing Co.
H. L. S., instant starch, Hercules Powder Co., Huron Milling Div.
HK., bleach and fabric softener, H. Kohnstamm & Co., Inc.
HTH, granular bleach disinfectant, deodorizer, Olim Mathieson Chemical Corp., Industrial Chemicals Div.

HTH, granular bleach disinfectant, deodorizer, Olim Mathieson Chemical Corp., Industrial Chemicals Div.
HTH, soda bleach mix, calcium hypochlorite with soda base, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
H. V., horizontal-vertical centrifugal pumps, Decatur Pump Co.
HW, liquid soap, detergent, Eaton Chemical & Dvestuff Co.
HAERTEL, fur cleaning material, equipment, trucks, fumigation cabinet, garment racks, fur vault door, Walter Haertel Co.
HAGAN C-300, high capacity resin, Calgon Co., Div. Hagan Chemicals & Controls, Inc.
HAGAN-CALGON, mechanical water softener, Calgon Co., Div. Hagan Chemicals & Controls, Inc.

Inc.
HAIROUND, round belting, Graton & Knight Co.
HAIROUND, round belting, Graton & Knight Co.
HALOX, dry bleach, Wyandotte Chemicals Corp.,
J. B. Ford Div.
HALL, tanks and tubs, Amos H. Hall & Sons
HAMILTON, casters, dollies, racks, wheels, trucks,
Hamilton Caster & Mfg. Co.
HAMILTON SPRING PADDING, spring padding
for laundry flatwork ironers and presses, American Laundry Machinery Co.
HAMILTON, dye kettles, extractor baskets, Hamilton Copper & Brass Works
HAMMEL-DAHL, valve controls, valves, Hammel-Dahl Co.

mel-Dahl Co.

HAMMOND, washers, tumblers, extractors, Hammond Laundry-Cleaning Machinery Co.

HAMMOND MIRACLE-MATIC, laundry washer-extractors and washer-extractor drycleaning units, Hammond Laundry-Cleaning Machinery

Hammond WeL-40, laundry washer extractor, Hammond Laundry Machinery Co. HAND-A-LOX, wire hanger holder, Time Savers,

Inc.
HANDEE, presses, Forse Equipment Co.
HANDEILM, protective hand cream, National
Cleaners Chemical Mfg. Co.
HANDI-Numdle and garment racks, Speare Co.
HANDIPAK, portable autographic register, Egry
Register Co.
HANDIROL, mending tape, Gummed Tape &
Devices Co.

HANDLEWRAP, handle tape for shirt packaging,

HANDLEWRAP, handle tape for shirt packaging, Rowe Enterprises, Inc.
HANDY, button and buckle covering equipment, Handy Button Machine Co.
HANDY, flatwork troner, American Laundry Machinery Co.
HANDY, gate valves, Lunkenheimer Co.
HANDY, rubber markers, Zuckerberg Co.
HANDY, rubber markers, Zuckerberg Co.
HANDY HOOKS, garment banger and bousehold conveyors, Engineering & Production Specialties

HANDYPAK, day tags, Tagit Co. HANG-A-LOX, wire hanger rack, Time Savers,

Inc. HANG-A-PAK, ready made delivery bags, Webster Industries, Inc.

HANGER-AD, foam plastic hanger guard, printed with advertisement, Art Anson Inc.

HANGER-TIES, hanger combiners, H. F. Hans-

HANG-RITE, garment hangers, Waldorf Paper

Products Co. HANG-R-SHIELD, garment hanger cover, Sta-

Neal Corp.
HAPMAN, conveyors, Hapman-Dutton Co.
HARWID, polyethylene, Olin Cellophane Div.,
Ecusto Paper Corp.
HAT SIZING, sizing for hatters, Warco Laboratories, Inc.
HAUSER-STANDER, wood tanks, tubs, vats,
Hauser-Stander Tank Co.
HAWKEYE, soap flakes, Iowa Soap Co.
HAYS, veriflow meter, visio-ratio gauge, Hays

HEARTH-CRETE, refractory material, Quigley HEART-OAK, leather belting, Graton & Knight,

Co.

HEAT-KWIK, combination trap, V. D. Anderson Co., Drv., international Basic Economy Corp. HEAT-PAK, steel boilers, hot water heaters and oil burners, Aldrich Co.

HEAVEN SCENT for Kings and Queens, scented advertising to be placed in dryclesaned and laundered garments, Arrow Mfg. Co.

H. E. FLUELESS, gas boilers, F. M. Lattner Mfg.

Co.

HELE-SHAW, pumps, American Engineering Co.
HELMET, steel safety pins, Risdon Mfg. Co.
"HENRICI," glove forms and necktie presses,
Henrici Laundry Machinery Co.
HERCULES CMC, sizing agent, Hercules Powder
Co., Huron Milling Div.
HERCULES, extractory, Haring & Stephens Co.
HERCULES, boists, Chisholm-Moore Hoist Div.,
Calumbus McKinnon Coum.

Columbus McKinnon Corp. HERCULES, marking ink, H. Kohnstamm & Co.,

HERCULES, nylon net, Gibraltar Fabrics, Inc.
HERCULES, Stoddard solvent and 140° F drycleaning units, washers, Hercules Laundry Machinery Co., Inc.
HERMAN, delivery truck body, ALF-Herman
HERO, fire extinguishers, Bostwick Laboratories
HEV-E, combination oil and gas burner, CleaverBrook Co.

Brock Co., prèss pads, covers, Stadham Co., Inc.
HEXAGON, prèss pads, covers, Stadham Co., Inc.
HEXAMO, prespotter, Riverside Mfg. Co.
HEXIKLOR, synthetic solvent drycleaning detergent, Krasan Products, Inc.
HEXITE, wetcleaning soap, Riverside Mfg. Co.
HEXOLA, prespotter, Slater-Robbins Co., Inc.
HEXOLATE, alkali, soap builder, Lewis National
Corp.

Corp.
HI-BASEX A, zeolite, Hungerford & Terry, Inc.
HI-CAP, charge system detergent, Lustrol Drycleaning Products, Div. Patek & Co.
HI-CAP, steam traps, Strong, Carlisle & Hammond

HICORY, soap, flaked or powdered, Los Angeles

Soap Co.
Hi-ef PURIFIERS, air and steam separators and
purifiers, V. D. Anderson Co., Div. International
Basic Economy Corp.
HI-FASHION, garment finisher, Hoffman Interna-

tional Inc.
HIGH-FLASH SHELL-SOL, naphtha petroleum
solvent, Shell Oil Co., Inc.
HI-FLY, fatty acid remover and color, Dello HIGH-SPEED, horizontal curtain drier, laundry drying tumbler, American Laundry Machinery

HI-GRADE, leather belting, cement, dressing, Corneli Belting Co. HI-HOPES, drycleaning detergent, Hope Chemical

HI-HOPPER, belt conveyors, New London Engineering Co. HI-INVERSAND, zeolite, Hungerford & Terry,

Inc.
HI-JET, drycleaning, laundry washer extractor-drier units, Hoffman International Inc. HILD, rug and carpet shampooing equipment, animal stain remover, Hild Floor Machine Co.,

HILD BRITE, rug and upholstery shampoo, Hild Floor Machine Co., Inc.

Floor Machine Co., Inc.
HILD SHOWER FEED, rug and carpet scrubbing
machine, Hild Floor Machine Co., Inc.
HI-LENE, upholstery drycleaner, Coastal Chemi-

cal Corp.

HI-LITE, solvent soluble brightener, Lustrol Dry-cleaning Products. Div. Patek & Co.

cleaning Products. Div. Patek & Co.
HILO, built low-titer soap powder, Armour & Co.,
Industrial Soap Dept.
HILO-CHROME, chrome-base bonding mortar,
Mexico Refractories Co.
HILOSET, high-temperature bonding mortar,
Mexico Refractories Co.
HI-LUSTRE, fur glazing fluid, Bernard Sirotta Co.
HI-LUSTRE, fur glazing fluid, Bernard Sirotta Co.
HI-PERM, drycleaners press covering kit, F. H.
Bonn Co.

HI-SPEED RAIL, monorail and speedrail systems,

HI-SPEED, washer, Keystone Laundry Machinery

HI-TEMP ONE-COAT, insulation cement, Thermold Products Co., Inc.
HI-TEST, high-pressure welded boilers, Kewanee
Boiler Corp.

Boiler Corp.

HI-TEST, moth spray, Bernard Sirotta Co.

HI-TEX, laundry soap flakes and powdered soap (pure), Empire Soap Co., Ltd.

HI-TEX, rug and upholstery shampoo, Coastal Chemical Corp.

HI-TONE, non-ionic drycleaning detergent, Hi-Tone Soap Co.

HI-V TRIPLEHEAD, new type triple head with split buck, Forse Corp.

H-K DRY BLEACH, dry bleach, H. Kohnstamm &

CO., Inc.

HK TEXTILE SOFTENER, fabric softener, H. Kohnstamm & Co., Inc.

HODGES, checking systems, Jack Hodges Spe-

cialty Co.

HOFFCO-VAC, portable vacuum cleaner, Hoffman International Inc.

HOFFMAN, vacuum systems, stills and filters,
Hoffman International Inc.

HOFFMAN, pressing machines (garments), laundry washers, extractors and tumblers, Hoffman International Inc.

International Inc.
HOFFMAN COLLAR MASTER, collar press,
HOFFMAN EXTRON, stoddard solvent washerextractors, Hoffman international Inc.
HOFFMAN VAPO SAVERS, perchlorethylene recovery tumblers, Hoffman international Inc.
HOFF-VAC, pedal-control vacuum spotting board,
Hoffman International Inc.
HOLDAPRES, trouser banger, B & G Engineering
Co.

HOLD-FAST, leather belt dressing, I. B. Williams & Sons HOLTITE, collar supports, Wormstead, Smith & Loomis, Inc. HOL-TITE, marking tags, Liberty Marking Tag Co., Inc. HOLT WHIRLWIND, floor polishers, Holt Mfg.

HOMO-FLEX, hose, belting, Revolite Div., Raybestos-Manhattan, Inc.
HONEYCOMB, filter tubes for industrial fluids,
gases and compressed air, Commercial Filters

Corp.
HONEYWELL, humidity control system, Minnespoils-Honeywell Regulator Co.
HONEYWELL MAGICARE, relative humidity
HONEYWELL MAGICARE, remerature control, control, conveyor control, temperature numeric pressure control, valves, relays, indicator con-trols, Minneapolis-Honeywell Regulator Co. HODDCLOB, bleach, Hood Chemical Co., Inc., Crescent Div. HOOF, automobile and engine governors, Hoof Froducts Co.

Products Co.

HOOPERWOD, cotton press padding, nets, William E. Hooper & Sons
HOOSIER PEABL, corn starch, National Starch
Products, Inc.

HOPE, dynoleaning detergents, sizings, repellents
etc., Hope Chemical Corp.

HOPE, types, belling, Hope Webbing Co.

HOPE WR SIL,, water repellents, Hope Chemical

Corp.
HOPKINS, washing machines, tanks, Hopkins
Equipment Co. HOPKINS ATOMIZER, spotter, Hopkins Equipment Co. HOPKINS FILTER, horizontal, bag type filter, HOPKINS Equipment Co. HORIZONTAL, tubular boilers, Steamaster Boiler HORN CRETE-FIX, floor resurfacer, A. C. Horn

HORNDRI-N-TITE, roof coating, A. C. Horn Co.,

Inc.
HORN FUMEX, fume resistant coating for walls, ceilings, A. C. Horn Co., Inc.
HORNGLAZE, floor waz, A. C. Horn Co., Inc.
HORNGLATH, dustproofer for concrete floors, A.
C. Horn Co., Inc. HORWATH, laundry washers and parts, A. A. Horwath & Sons
HOT-SPOT, stick type press cleaner, Dello Products Go.

HOTT PATCH, heat-setting high-temperature cement, Ramtite Co.

HOWELL, sump pumps, oil burners, Kol-Master

HOYT, tumblers, Hoyt Mfg. Corp. HOYT-PER UNIT, combination filter, still and muck cooker, Hoyt Mfg. Corp. muck cooker, Hoyt Mfg. Corp.

H. & T. MULTIPORT, valve automatic operation,

Hungerford & Terry, Inc.
HYM-18, free flowing white powder for sanitizing,
deodorizing and disinfecting, Olin Mathieson
Chemical Corp., Industrial Chemicals Div,
HUB, laundry marking tags, Boston Clip & Tag HUBER, overfeed stokers, Flynn & Emrich Co. HUBINGER COMPOUND, corn starch, Hubinger

HUEBSCH "42," open-end tumblers, Huebsch Originators

HUMIDICRAPH, direct-reading humidity recorder, Bristol Co. HUNGERFORD & TERRY PRESSURE FILTER, water filter, Hungerford & Terry, Inc,

Water liner, Hullgerich in Petry, inc,
HURON INSTANT STARCH, combination starch,
Hercules Powder Co., Huron Milling Div.
HV-4, air vacuum system, U. S. Hoffman Machinery Corp.
HYAL, builders, George Stearns Chemical & Mfg.
Co.

HYCON, high concentrated chlorine dry bleach,
Keever Starch Co., Keever Beach Div.
HYDRAMITE, pumps, American Engineering Co.
HYDRAMIX, drycleaning soap, emulsifier, Edelmuth Mig. Chemists
HYDRAPHTAL, textle processing agent, E. I. du
Pont de Nemours & Co., luc.
HYDRASOL, wetcleaning Celanese soap, Keystone Aniline & Chemicals Co., Inc.
HYDRAULIC HANDLIFT and FOOTLIFT,
trucks, Lewis-Shepard Products, Inc.
HYDRAXFOLDER, small piece folder, Hydraxtor
Co.

HYDROLATE, laundry alkali and soap stripper, Diamond Alkali Co.
HYDROLANE, booster and large condensate return, Peerless Pump Div., Food Machinery & Chemical Corp.
HYDROPEL GE, water repellent, National Cleaners Chemical Mfg. Co.
HYDROSITE, reducing bleach, Nu-Fro Mfg. Co.
HYDROSORB CAKES, solvent purifier, Stamford Chemical Co.
HYFLO, filter powder, Johns-Manville

Chemical Co.

Chemical Co.

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KMfg. Co.

HYGEA-PINE, place oil disinfectant, Continental
Car-Na-Var Corp.

HYGRADE, plastic buitons, Hygrade Button &
Supply Co.

HY-LO, blanket washer, American Laundry Machinery Co.

HYPAC, black Long Mandal Control of the Control

HYPAC, bleach, Lewis National Corp. HYPALON, extractor covers, Galesburg Canvas

HYPRO, sectional flatwork ironer, American Laundry Machinery Co.

HY-SET, high temperature boiling mortar,
Mexico Refractories Co.

HY-SOL, synthetic rubber protective gloves and
aprons, Charleston Rubber Co.

HY-SOL, soap builders, Thompson-Hayward
Chemical Co.

Chemical Co.

HYSPAR, aluminum and white enamel underpaint, Midland Paint & Varnish Co.

HY-SPOT, substitute for chloroform, Slater-Robbins Co., Inc.

HYSWEET, new sweetener for use with charged system, Johns-Manville

HYTEMPITE, high-temperature bonding mortar,

Quigley Co., Inc.

HYTEXAL, built tallow soap, Allen B. Wrisley Co.

HY-TUF, alloy steel, Crucible Steel Co. of America

HY-V AIR JET, high-velocity concentrated cooling fan, DeBothezat Fans Div., American Mathine & Metals, Inc.
HY-WHITE, blue, Speare Co.
HY-WITE, laundry soap, H. Kohnstamm & Co., Inc.

IMPERIAL, chest-type ironer, Imperial Laundry Machinery Co. IMPERIAL, fine drycleaning detergent, Anscott Dry Cleaning Products, Inc. IMPERIAL, vacuum cleaner, Multi-Clean Prod-

ucts, Inc.
IMPERIAL CREST, detergent, Anscott Dry Clean-

IMPERIAL CROWN, medium priced detergent, Anscott Dry Cleaning Products, Inc.
IMPERIAL 90, synthetic drycleaning unit, Prosperity Co., Div. Ward Industries Corp.
IMPREGNOLE, water repellent, Warwick Chem-

ical Co. IMPULSE, steam traps, Yarnall-Waring Co. INCO, metal castings, fittings, tubings, nickel alloy fittings, castings, etc., International Nickel

alloy fittings, castings, etc., international vision. NCO/NEL, alloy of nickel and chromium, International Nickel Co., Inc.
INDEL-O-MARK, indelible automatic marking pen. Mark-O corp.
INDIAN, laundry soap, North Coast Chemical & Soap Works
INDUSTRIALITE, laundry soap, New South Mfg. Co., Inc.

INDUSTRIAL, fabric conditioner for wetcleaned garments, Namco Chemical Corp.

INDUSTRIAL, neutral soap chips and powder,

Armour & Co.

INDUSTRIAL GLOVE CLEANER, synthetic drycleaning machine for gloves, wipers, work clothing, etc., Vic Mfg. Co.

INEX, laundry rinsing aid, H. Kohnstamm & Co.,

Inc.
INGERSOLL-RAND, compressors, blowers, pumps, Ingersoll-Rand Co.
INGRAIN, laundry starch, Industrial Grain Prod-

ucts, Ltd.

ucts, Ltd.

INKEX. writing ink remover, Patek & Co.

INKEGO, liquid oxidizing agent and stain remover, A. L. Wilson Chemical Co.

INK-O, spotting aid, Ink-O Products Co. INK-O-CIDE, ink remover, Coastal Chemical INK-TWINS, wet or dry side spotters, Russell

Froducts Co.

Froducts Co.

Froducts Co.

Finner Fin, cooling unit, Dunham-Bush, Inc.

INNER-FACE, steel split repair sleeves, Dresser

Mig. Div., Dresser Industries, Inc.

INSTANT, moth killer, Beriou Mig. Co.

INSTANT, tannin stain remover, Russell Frod
INSTANT, tannin stain remover, Russell Frod-

INSTANT GRAB TAPE, carpet seaming tape, J-G

INSTITUTIONAL, fabric preservative, conditioner, Nameo Chemical Corp.

INSTITUTIONAL, starch, A. E. Staley Mfg. Co.
INSTITUTIONAL, starch, A. E. Staley Mfg. Co.
INSULAG, plastic refractory lagging and finishing
material for high-temperature equipment, Quig-

ley Co., Inc. INSULBRIX, insulating firebrick, Quigley Co., INSULCRETE, refractory material, Quigley Co.,

Inc.
INTERCHANGEABLE ASSEMBLY, F. W. I.
assemblies of various types guaranteed for two
years, Gibraltar Fabrics, Inc.
INTERMATIC, time controls, International Regis-

ter Co.
INTERNATIONAL, chemical mixing machinery, tanks, International Engineering, Inc.,
INTERNATIONAL, garment bags, International Paper Co.

Paper Co.
INTERNATIONAL, motor trucks, International
Harvester Co., Motor Truck Div.
INTERSUDS, soap, H. Kohnstamm & Co., Inc.
INVADER, pumps, Schrimer-Dornbirer Pump Co.
INVERCARB C-110, polystyrene resin zeolite,
Hungerford & Terry, Inc.
INVERSAND, greensand zeolite and softeners,
Hungerford & Terry, Inc.

INVINCIBLE, industrial vacuum cleaners, Invincible Vacuum Cleaner Mfg. Co.
INVOLUTE, spray nozzles, Yarnall-Waring Co. IN-WEAVING, reweaving, In-Weaving Co. of

America
10DASE, iodine stain remover, Greenville Chemical Co.

IONETTE, wet spotter and penetrant, Krasen Products, Inc. IPCO, safety equipment, Industrial Products Co. IRI-ZON, germicidal sour, Speedlite Chemicals
Co., Div. Patek & Co.
IRON CITY, duck cover, Pittsburgh Waterproof

IRONERLUBE, lubricant, Johnson Chemical In-RONER OIL, improvement over wax, Eaton Chemical & Dysstuff Co. IRON FIREMAN, stokers, gas and oil burners, Iron Fireman Mig. Co.

IRONOIL, ironing surface lubricant, Patek & Co. IRON OILITE, machine parts lubricating bearings, Amplex Div., Chrysler Corp.
IRONSIDE, nylon laundry net, Gibraltar Fabrics,

Inc.
IROQUOIS, safety pins, Risdon Mfg. Co.
IROQUOIS, soap, Lewis National Corp. ISO-THERM, hot water heating system, Fred H. Schant Engineering Co.
ITSTIX, gummed tape, Nashua Corp., Sure-Hold

IVORY, neutral soap, beads, chips and powder,

ID, piece count tags and 6 tag strip tags, Identification, Inc.
I.D.N., jodine stain remover, Package Chemical

Co. Inc.
IMO, rotary pump, De Laval Steam Turbine Co.
I-R, liquid spotter for ink stain removal, Caled
Products Co. Inc.
I-R-C, lightweight insulating refractory castable
and concrete, Mexico Refractories Co.
I.S., press clamp, slip chain, racks, Ink-O Products
Co.

ICA., iaundry soaps, Fry Bros. Co.

IDEAL, filter paste soap, National Cleaners Chemical Mig. Co.

IDEAL, grease cups, Lunkenheimer Co.

IDEAL, pins, safety pins, Ideal Mig. Co.

IDEALITE, non-glare neon-type light, Ideal
Lighting Co., Inc.

DEAL STYLE A, laundry washer, American
Laundry Machinery Co. ICEPALS, synthetic detergents, General Dyestuff

IGEPONS, synthetic detergents, General Dyestuff Corp.

LOP.

1.G. centrifugal and propeller fans, unit heaters, lig Electric Ventilating Co.

1.MCO, drycleaning presses, press head cleaners, putters, spotting boards and tables, valves, Intercontinental Mfg. Co., Inc.

1.MFACTOR, valves handwheels, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.

1.MFACTOR. Ventramer & Co. Line.

IMPAX, soap, H. Kohnstamm & Co., Inc. IMPERIAL, asbestos pipe covering and blocks, Ruberoid Co.

J.F.S., variable speed reducers, Stephens-Adamson Mfg. Co. Inc. tional Hamper, Inc. JIF-TY, press covers and pads, Tingue, Brown & plug compound, Armite Laboratories Jomac, Inc. JOMAC 33, press padding, Jomac, Inc. JOMAC 24 K, golden yellow starch resistant press padding, Jomac, Inc. JOKDAN VALVES, industria) regulators, Jordan

son Mig. Co.

J-M, packings, gaskets, etc., Johns-Manville

JACKSON SOLVAIR COOLER, solvent cooler,
Samuel Jackson Mig. Co.

JACOBSON, wholesale garment dyer, flameproof-JACUBDUN, Wantesale garment dyer, flameproofing, Lawrence Jacobson Dye Works, Inc.
JANET, necktie presses, glove forms, Henrici
Laundry Machinery Co.
JAN-I-SAN, platform type collector cart for soiled
linen or laundry, Paul O. Young Co.
JAXON, laundry presses, Pinnacle Products Corp.
JAY BEE, super-duty firebrick, Mexico Refractories Co. tories Co.

JAY-DEE, fur stretcher, fur and leather softener,
mothproofing liquid, Jay-Dee, Inc., Mig. Chem-JAYSONET, nylon nets, Jayson's-Div. Jayson Silk Mills
JAYTEX, press pads and covers, nylon, Jayson'sDiv. Jayson Silk Mills
JEFFERSON ISLAND, salt, Jefferson Island Salt Co. Inc.

Jefferson Thorobred, wood and metal laundry and drycleaning washers, Laundry Malaundry and drycleaning wood Working Co.

Ed. drycleaning equipment, Hofman Interna-"BUCKET SEATS", coin-op chairs, Clesco National, Inc. JET COIN CHANGER, coin changer, Clesco Na-IET FIRE, (Hammond) gas laundry tumbler, Hammond Laundry-Cleaning Machinery Co. JET 420, coin-op laundry washer, Clesco National, Inc.

JET-IMPERIAL, built detergent-germicidal deodorant, Armour & Co., Industrial Scap Dept.

JETINE, marking ink, H. Kohnstamm & Co., Inc.

JETRO, automatic washer control, American

Laundry Machinery Co.

JET SELFEED, dispenser for filter powder and

activated carbon, Infilco, Inc.

JET 60, coin-op laundry dryer, Clesco National

Inc. JETVENTIZER, wrapping paper printer and dis-penser, J. J. Connolly, Inc. JETVEYOR, steam jet ash conveyor, Brady Con-veyors Corp. JEWELITE, match books, Universal Match Corp.
J-G BONDER, glue to lay tackless stripping, J-G JiChemists
JHFFY, cuff and pocket brusher, bagging devices,
hag racks, Medalie Mfg. Co.
JHFFY, puff irons, Columbia Laundry Machinery JIFY SORTERS, sorting hooks with clip attached,
Frank B. Smith Co.
JIFFY-STICK, ink remover, National Cleaners
Chemical Mig. Co.
JIFFY STRETCHER, drapery finisher, Kleen JOHN HANCOCK, marking pens, Samuel Taubman & Co.
JOHNSON, flexible metal hose, Johnson Metal JOHNSON, flexible metal hose, Johnson Metal Hose, Inc.

JOHNSON, ironer oil, liquid stripper, Johnson Chemical Industries, Inc.

JOHNSON, rotary pressure joints, steam water heater, compressed-air separators, compressed-air aftercoolers, high-temperature boiler feed system, solenoid valves, automatic boiler water for this or combination gas and oil firing, Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.

OHNSTON, steam boilers, Johnston Bros., Inc.

JOINT-SEAL, anti-seize, joint seal and clean-out plus compound. Armite Laboratories JORDAN VALVES, and the state of IUNIOR CHALLENGER, washer, Miller Laundry Machinery Co.
UNION SPORTFOLIO, printed shirt board for
small size sport shirts, Package Masters, Inc.
UNIORETTE LAUNDRY, small laundry unit,
American Laundry Machinery Co.

K & B, barrels, bins, boxes, buckets, cabinets, chutes, cylinders, guards, stocks, tanks and ventilating systems, Kirk & Blum Mfg. Co. KCX, 4% single bath charge detergent, Keystone Aniline & Chemical Co. KC4X, 1% single bath charge detergent, Keystone Aniline & Chemical Co. K.B., soap powder, sour, Kliegman Bros., Inc. K.B., soap powder, sour, Kliegman Bros., Inc. K.D. net pins, identification systems, portable bagger, marking pins, Keyes-Davis Co. K.O.F., coco-potash soap, Armour & Co. K. T., valves, Klipřel Mfg. Co. K.V., heavy fluid lubricant, Keystone Lubricating Co.

Co.

KAL, chlorine bleach, bluing, ammonia, detergent powdered form in individual envelopes, Kaleen Chemical Corp.

KANE, gar-fixed steam boilers, Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.

KAN KIL, insecticide, Colgate-Palmolive Co.

KANTARK, non-renewable fuses, Trico Fuse Mig.

KANT FALL, spur rolls to attach to rug beates, Moore's Time-Saving Equipment, Inc. KANT-SLIP, continuous business forms, Standard

Register Co.

Register Co.

ARAGAMI, powdered wax, refined wax, Concord

Chemical Co., Inc.

KARAL, low foam synthetic detergent, Wyandotte

Chemicals Corp., J. B. Ford Div.

KAR BAR, auto garment rack, Keyes-Davis Co.

KARDEX, visible records files, Remington Rand

Inc. KARGO-KING, aluminum-alloy van panel truck bodies, J. B. E. Olsen Corp. KARPET-KARE, carpet cleaner, Bigelow-Sanford

KARRY KIT BOXES, boxes for shirts, sweaters, knit wear, formal dress shirt, printed, Package Masters, Inc. KATOLIGHT, generators, light plants, Kato Engi-

KATOLIGHT, generator, igns neering Co.
neering Co.
KAY-BEE, cover cloth, Kliegman Bros., Inc.,
KAY-BEE, cover cloth, Kliegman Bros., Inc.,
K-BI, break alkali, Laundry Chemicals Co.,
K-BRITE, drycleaning soap, H. Krevit & Co., Inc.,
KC-46, simplified file system for handling charge
accounts, Automatic Salesbook Co.
KDK, KLOTH, covering for press and flatwork,
R Lally Co.

KD QUICK, plastic garment bag maker, Keyes-

Davis Co.

KECKLEY, steam and liquid control equipment,
O, C, Keckley Co.

C. C. Keckley Co.

N. C. Keckley Co.

KEE, zippers and slide lasteners, Kee Zipper Corp.

KEEDOL, drycleaning filter soap with antiseptic
and mothproofing, A. F. Wolke Co.

KEELBR CP, boilers, E, Keeler Co.

KEELBR CP, boilers, E, Keeler Co.

KEELBR RUG SIZE, rug and carpet size, Keever
decodorant, funnisant, Keystone Chemical Co.

KEEVER RUG SIZE, rug and carpet size, Keever
Starch Co., Keever Beach Div.

KEEVER CHEST CLEANER, steel flatwork ironer
cleaner, Keever Starch Co., Keever Beach Div.

KEEVER CLEANER, fliquid press cleaner, Keever
Starch Co., Keever Beach Div.

KEEVER FLATWORK IRONER PADS, steel wool
padding for flatwork ironers, Keever Starch Co.,

Keever Beach Div.

padding for flatwork intones, seed woon padding for flatwork ironers, seeder Starch Co., Keever Beach Div. KEEVER HMPERIAL PADS, stainless steel presspads, Keever Starch Co., Keever Beach Div. KEEVER HMBO PADS, fart line steel wool presspads, Keever Starch Co., Keever Beach Div. KEEVER LIQUID BLUE, blue, Keever Starch Co., Keever Beach Div.

Co., Keever Beach Div. KEEVER SCOT PADS, econ

KEEVER SCOT FADS, economy steel wool press pads, Keever Starch Co., Keever Beach Div. KEKO, moth-repellent garment storage bags, Ken-nedy Car Liner & Bag Co., Inc. KELCO, cutting oil, Keystone Lubricating Co. KELCO, drop box, thru-the-door receiver, bumble drops, assembly hooks and speed rail parts. Kelco Engineering Ltd. KELLER RUG CEMENT, rug cement, J-G Chem-

ists
KELLEY, heat reclaimers, hot-water heaters, storage heaters, Patterson-Kelley Co., Inc.
KELLOGG-AMERICAN, air compressors, Kellogg-American Div., Scaife Co.
KELMAKER, pressure filters, vacuum traps, sightglass assemblies, Kelmaker Mfg. Co.
KELSO BLANKET FLUFFER, blanket carding

machine, G. A. Braun, Inc.

KEM PRO, nylon cover cloths, Whitehouse Nylon

Products

KEN-BLEACH, dry laundry chlorine bleach,
Kenco Chemical Co., Inc.
KENCO MOTH SPRAY, moth repellent, Kenco
Chemical Co., Inc.
KENCO SUPER CHARGE, all charge systems,
Kenco Chemical Co., Inc.
KEN DDZ, synthetic drycleaning machine, John W. Young KENITE, diatomaceous earth filter powder, Kenite

KENNEDY, paper bags, Kennedy Car Liner & Bag Co., Inc. Bag Co., Inc. KENNEY, water softeners, filters, zeolite, Kem Softener & Filter Co.

KENOO, powder synthetic wetcleaning detergent and water softener, Keystone Chemical Co. KENT, industrial vacuum cleaners, floor machines, Kent Co., Inc.

KENTUCKY, trucks, dollies, boxes, Kentucky Box & Truck Co.
KERODEX, protective hand cream, Ayerst, Mc-Kenna & Harrison

KETOS, tool steel, Crucible Steel Co. of America KEWANEE, heating boilers, power boilers, storage water heaters, steel tanks, water heating gar-bage burners, Kewanee Boiler Corp.

KEY KLEEN, liquid wetcleaning detergent and oil soap, Keystone Chemical Co. KEY-LOK, brake blocks, Raybestos-Manhattan,

Inc. KEYLUBRIC, air tool lubricant, Keystone Lubricating Co.

KEYPROOF, combination flameproofing and mothproofing agent, Keystone Chemical Co.
KEYSO, drycleaning soap, C & G Chemical Co.
KEYSORAY, mothprofing agent and insecticide,
Keystone Chemical Co.
KEYSTONE, alkalis, Swift & Co.
KEYSTONE, alkalis, Swift & Co.

chinery Co. hat sizing, Keystone Laundry Machinery Co. hat sizing, Keystone Aniline & Chemical Co., inc.
KEYSTONE, leather soap and liquid glove soap, nail polish remover, white kid glove bleach,
Keystone Aniline & Chemical Co., Inc.
KEYSTONE, package water tube steam generators,

KEYSTONE, washable service apparel, Keystone Coat & Apron Mfg. Corp.
KEYSTONE, wax spot remover, Keystone Lubriceting Co.

KEYSTONE DRI-KLEEN, spot remover, Keystone

KEYSTONE DRI-KLEEN, spot remover, Keystone
Chemical Co.

KEY-TAG, automatic mechanical thretification
system pins, Key-Tag Checking System Co.

KEY-TEX, filter soap, G & G Chemical Co.

KEY-TEX, Gilter soap, G & G Chemical Co.

KEY-TEX, CONC, drycleaning soap, Keystone Antime & Chemical Co., inc.

KEYTHOL, deadorizing machine and scent blocks,
Keystone Scent Conditioner Corp.

K-FELT, thermal insulation, American Felt Co.

K-411, botier stew, to remove scale deposit, National Chemical Sales Co., Laboratory, 136.

K-5, laundry soap builder, Wyandotte Chemicals
Corp., J. B. Ford Div.

K-51, alkali, Kenco Chemical Co., Inc.

K-555, low-temperature soap powder, Laundry
Chemicals Co.

KIDDE, fire extinguishers, Walter Kidde & Co., Inc.

KIDDYKOLOR, garment bags, Kennedy Car Liner & Bag Co., Inc. KIDSKIN, diaper softener, Anscott Dry Cleaning Products, Inc.

KILLARNEY, taundry blue, Patek & Co.

KIL-ODE, odorless deodorant, Warea Laboratories, Inc.

tories, inc.
KING BEE, paint, oil and grease remover, Dello
Products Co.
KING-CLIP, gate valve, Lunkenheimer Co.
KIRK'S, spray guns, formers, finishers, Kirk's

Leather Cleaners KISCO, boiler room equipment, Kisco Boiler & Engineering Co.

Engineering Co.
KITACUM, Japan Wai, Strohmeyer & Arpe Co.
KIAMP-ON, pin bets, Moore's Time-Saving
Enuipment, Jin.
KLEAN, super activated carbon, Adco, Inc.
KLEANMORE CONCENTRATE, graphite treatment for botter scale removal, Kleanmure Labo-

KLEANWELL, oil soap, Minnesota Chemical Co KLEENAP, rug detergent, H. Kohnstamm & Co.,

RInc.

RIEEN-EM, slightly alkaline soap containing powder and optical bleach detergent, Bigelow Chemical Products Corp.

KLEENFLO, activated sweetener powder, L. A. Salomon & Bro.

saiomon & Bro.

KLEEN HAMPER, bundle depository, Garment
Finishing Equipment Corp.

KLEED 19-19-19, flatwork ironer cleaner pad, Resill Press ad Co. KLEEN PAK, drycleaners' bags, Diem & Wing

RLEEN-RITE, coconut-oil soap, National Clean-ers Chemical Mfg. Co.
RLEEN SHEEN, paste rug soap, Adeo, Inc.
RLEEN SUDS, soap, Lewis National Corp.
RLEENSTAT, inoner oil, Gibraltar Fabrics, Inc.
RLEENSTAT, inoner oil, Gibraltar Fabrics, Inc.
RLEENTEST, moisture dispersing agents for charged system, dry cleaning soaps Ricentest
Laboratories KLEENWELL, flatwork ironer cleaner, R. Lally

Co.

KLEER-VELOPE, complete line polyethylene bags and rolls, Webster Industries, Inc.

KLEERVU, safety eye guard, gauge-glass protector. Wright-Austin Co.

KLEER-WITE, no rinse detergent, C-W concentrate and paint, oil and grease remover, Marclene Chemical Corp.

KLEER-WITE C. W. CONCENTRATE, concentrated charge detergent, Marclene Chemical Corp.

KLEERWITE C. O. P., grease, oil and paint remover, Marclene Chemical Corp.

RLEERWITE PENETRANT, wet pre-spotter,
Marclene Chemical Corp. Marciene Chemical Corp.

KLEERWITE PROTEX, water repellent, Marciene

Chemical Corp.

KLEERWITE RENUTEX, sizing, Marclene Chem-

ical Corp.
RLENEASE, liquid wetcleaning soap, Caled Products Co.
RLENEASE SPECIAL, liquid synthetic wetcleaning soap, Caled Products Co., Inc.

KLERA-CID, laundry sour, Wyandotte Chemicals, Corp., J. B. Ford Div. KLEX, pumice soap, Colgate-Palmolive Co. KLIEGBILT, alkali, break powder, Kliegman KLIEGSPUN, nets, cover cloth, Kliegman Bros.,

KLIEGWEAVE, nets, Kliegman Bros., Inc. KLIKIT, map fastener service kit, Kaycrest Prod-KLING AIR-MATIC, drycleaning machines, Kling "100" Corp.", washer-extractor-petroleum and synthetic, Kling "100" Corp.

KLIPLANA, claums for fuse clips, test clamps, Trico Fuse Mfg. Co., KLIP-ZIT, drier clips, Time Savers, Inc.

K-LIQUID SOAP, liquid soap, Laundry Chemicals Co.

K-LOUID SOAP, liquid soap, Laundry Chemicals Co.
KLIX, paint remover, Nu-Fro Mfg. Co.
KLOR-LENE, spotting solution with chloroform
KLORGENT, synthetic soap, C. & C. Chemical Co.
KLOR-LENE, spotting solution with chloroform
KLORO, liquid detergent for use with synthetic
solvent units, Adeo, Inc.
KLOTHES-KADDY, Kleen Hamper, Inc.
K-MASTER, steam iraps, air liters, blowdown
valves, kaye & MacDonald, Inc.
K-MONEL, heat-treating alloy, International
Nickel Co., Inc.
EM-129, odor absorber, deodorant, disinfectant,
tumigant, synthetic detergent, chemical water
conditioner, Keystone Chemical Co.
ENACK, heavy duty laundry builder, Speedlite
Chemicals Co., Div. Patek & Co.
KNIGHT-WARE, acid-proof chemical stoneware,
Maurice A. Knight
NITTED PADDING, press pads, Knitted Pad-

Maurice A. Knight KNITTED PADDING, press pads, Knitted Pad-ENITTED TOP PEERLESS, nylon net, Gibraltar

Fabrica, lac. nundry nets, New York Net Co.
KOBO, order neutralizer, spotting board, Eaton
Chemical & Dyestuff Co.
KOKO, iguid wetcieaning soap, Adco, Inc.
KOKO, iguid wetcieaning soap, Stadham Co., Inc.
KOLD, sour Minnesota Chemical Co.
KOLLTE, cold-water built soap, John T. Stanley
Co., Inc.
KOL MASTER, stokers, Kol-Master Corp.

KOL MASTER, stokers, Kol-Master Corp.
KOLORCARDS, direct-mail customer control system. Reba Martin. Inc.
KOMET, synthetic drycleaning machine, 50% per load. Vic Mfg. Co.
KOMO, Jundry sours, Minnesota Chemical Co.
KOMONOL, organic detergent, Minnesota Chemical Co.

ical Co.

1021 U.O. -122, soap builder, Laundry Chemicals Co. ON-NEC-TOR, mercury switch, General Electric KONTROL, charge soap, Eaton Chemical & Dyestuff Co.
KOOL-PRESS, press head covers, Hobade Associ-

AUCS AND TE, transparent, reusuable, plastic moth-proof storage bugs, delivery, shirt, sweater and blanket bugs, Kordite Co., Div. Textron, Inc. KORO, filter detergent, Nu-Pro Mig. Co. KOROLA, French-cuff fastener, Boston Clip & Tag Co.

KOROLA, French-cuit fastener, Boston Clip & Tag Co. KOSMETEX, spotter for cosmetic stains and liquors, Patek & Co.

KOWANO, ironer wax, H. Kohnstamm & Co., Inc. KOYLON, foam pressing pads, U. S. Rubber Co., Koylon Div.

KRAN-MER, dyeing, Kran-Mer Corp.

KRAN-MER, dyeing, Kran-Mer Corp.

KRASAN CLEAR CHARGE, charged system drycleaning detergent, Krasan Products, Inc.

KRESTVIC, synthetic drycleaning machine, 20-285 per load. Vic Mfg. Co.

KREX, medicated ointment, Caled Products Co., Inc.

KRIECH, drain valve for large washers, George W.
Kriegh Co.
Kriegh

KROM-NOX, mercurochrome remover, Warco

Laboratories
RROMOAK, leather and waterproof leather belting, Charlotte Leather Belting Co.
KROMOTAN, leather and waterproof leather belting, Charlotte Leather Belting Co.
KRYOLITE, enzymatic digester, Coastal Chemical

Corp.
K618, charged soap, Huntington Laboratories, Inc.
K-SOLVENT, detergent for industrial wetwash,
Laundry Chemicals Co.
K-993, built soap powder, Laundry Chemicals Co.
KUFTACKER, stapler for trouser cutfs, Bostich
KUNKLE, safety and relief valves, Kunkle Valve

Co. KURB-SIDE, motor truck bodies, J. B. E. Olson

KWICK-SET, collar support, strips, Empire Cardboard Corp.

KWIK CHANGE, cover and iron springs, Time

Savers. Inc.

KWIK FILE, filing system, Automatic Salesbook KWIK-KLIP, skirt and pants clip, Gibraltar Prod-

ucts Co.

KWIK-KOVERS, garment hanger shield, paper specialties, Kwik-Kover Mfg. Co.

KWIK ON, rug stretching bars, Moore's Time-Saving Equipment, Inc. KWIK-SET, bag and net holders, Time Savers,

KWIK SET, washing-machine timer, H. C.
Thompson Clock Co.
KWIK-TAG, paper and cloth marking tags, Kwik-Kover Mig. Co.

KWIK TWISTS, hanger combiners, Gibraltar Products Co.

Products Co.

KWK VOLCLAY, bentonite clay, American Colloid Co.
KYRO AC, synthetic detergent, Procter & Camble
Distributing Co. KYRO EO, nonionic synthetic detergent and wet-ting agent. Procter & Gamble Distributing Co.

LDT, tumblers, laundry — drycleaning, Western Laundry Machinery Co.
L-F-O, suede finishing oil, Riverside Mfg. Co.
L, M. C., pumps, Lubbock Machinery Co., Inc.
L-N, sour, tags, Lewis National Corp.
"LP," steam connectors, Universal Metal Hose Co.
L-S, leather-suede drycleaning soap, Caled Products Co. Leo.

ucis Co., Inc.
L.S.R., lipstick remover, West Side Corp.
L.ST., laundry steam tumblers, Western Laundry
Machinery Co.
LAB-CREST, laboratory glassware, Fischer &

Porter Co.

LA BELLE, agricultural disc steel, Crucible Steel America

LABOR MISER, metal button and thread racks, button bins and large spools of thread, Labor Miser Co.
LACLEDE, grates, stokers, Laclede Stoker Co.
LACOUERSOL, spotting agent, Nu-Pro Mfg. Co.
LA-DOWN STAIL, collar supports, Time Savera

Inc.

LA FRANCE, fire extinguishers, American-La France-Foamite Corp.

LAIDLAW, bangers, W. A. Laidlaw Wire Co.

LALLYTEX, steel wool press pads, R. Lally Co.

LAM-TEX, sponge press pads, rubber floor mats,

Pittsburgh Tag Co.

LANE, canvas baskets, trucks, bodies and hampers, accessories and fiberglass baskets and trucks W. T. Lane & Bros. Lev.

trucks, W. T. Lane & Bros., Inc.
LANEM, ianolin emulsion cone, ammonia, Tower
Chemicals, Inc. LANICO, wetcleaning soap, Dello Products Co. LANI-TEX, press pads, floor mats, Pittsburgh Tag LANO LUSTRE PROCESS, suede and leather

cleaning and refinishing, Lano Lustre Suede & Leather Co. LANO-SHEEN, fabric conditioner, blanket and rug soap, Kleentest Laboratories LAPELETTES, lapel protectors, M. H. Gronauer

LAQUERSOL, lipstick and nail polish remover, Nu-Pro Mfg. Co. LARTON, assembly hooks, sorters, Larton Prod-ucts Co., Inc. LASCO, liquid coconut oil, soap builder, Los An-

geles Soap Co.

LATCO, boilers, P. M. Lattner Mfg. Co.

LATEX CONCRETE REPAIR, floor repairing and
resurfacing, The Camp Co.

LATHEM, time recorders, watchmen's clocks,

Lathem Time Recorder Co.

LATHEM "SENTRY", watchman's clock, Lathem

Time Recorder Co.

LATHEM "VANGUARD", watchman's clock,
Lathem Time Recorder Co.

LATHERINE, rug shampoo, Continental Car-Na-

Var Corp.
LATTNER, boilers, boiler feed pumps and return systems, P. M. Lattner Mfg. Co.
LAUNDERETTE, automatic washing machine,

Philos-Bendix
Philos-Bendix
LAUNDERLOC, recording washwheel thermometer, water level recorder, Foxboro Co.
LAUNDERLUXE, high phosphate laundry soap,
New South Mig. Co., lac.
LAUNDR-EEZ, synthetic detergent, Thompson
Company Chemical Co.

Chemical Co.

LAUNDRITE starch, Clinton Foods

LAUNDROMAT, automatic washing machine,
Westinghouse Electric Corp.

LAUNDRO-PAD, pre-cut for laundry presses,

LAUNDRU-FAD, pre-cut for faultry passen, Arrow Mfg. Co.

LAUNDRY COMPOUND, soap builder, Solvay Sales Div., Allied Chemical Corp.

LAUNDRY LESTOIL, laundry detergent, Lestoil Products, Inc.

LAUNDRY MAID, products for coin-operated machines, controlled suds detergent, dry bleach, starch, Automatic Service & Supply Co., Inc.

LAUNDRY SODA, special cleaner, Solvay Process The Alliad Chemical Corp.

Div., Allied Chemical Corp.

LAUNDRY SOUR, acid material for neutralizing,
Turco Products, Inc.

LAUNDRY SOUR, sours, Diamond Alkali Co.

LAUNDRY SOUR, sours, Diamond Alkali Co.

LAUNDRY WASHEX, laundry washer-extractor,
Washex Machinery Corp.

LAUNETTE, built soap, Procter & Gamble Dis-

LAUNETTE, built soap, riocce.

tributing Co
LAUNETTE SPECIAL, low sudsing built detergent, Procter & Gamble Distributing Co.
LAUNSO, medium pH built soap, E. F. Drew & Co., Inc.
LAUNTEX, liquid industrial detergent, Cowles
Chemical Co.
LAVEKOL, spot washing, General Dyestuff Corp. LAVOX, machinery enamel, Pittsburgh Plate Glass Co., Paint Div.

Glass Co., Faint Div.
LAWSON, pulleys, hand trucks, wheels, casters,
Menasha Wood Split Fulley Co.
LAYNE, vertical turbine pumps, water treatment
and conditioning equipment, water well supplies, Layne & Bowler, Inc.
LAYTIE, floor coating, Steelcote Mfg. Co.
LAZY SUSAN TRAY, wet bundle sorter, Rosenthal

Mig. Co.

LE ANN, fur repair and remodeling services, Le

Ann fine Furs

LEATHERFAST, suede leather dye, Keystone

Aniline & Chemical Co., Inc. LEATHER-LIFE, leather dressing, Nycco Prod-

ucts Co. LEATHER state desains, Nycoo I was to a Aniline & Chemical Co., Inc.
LEATHER SOAP, leather cleaning and glove soap, Spix Products Co.
LECTRICK-ICE, water cooler, Uniflow Mfg. Co.
LED, liquid enzyme digester, Signal Chemical Mfg. Co., Inc.
LED-PLATE, thread and gasket paste, Armite

Laboratories
Laboratories
LEEBAW, counter conveyor, industrial trucks,
Leebaw Miz. Co.
LEEF. flexible forms, Leef Bros., Inc.
LEFFEL, automatic underfeed stokers, steam
boiless, lames Leffel & Co.
LENACO, baskets, bleaches, blues, ink, ironer oil.

pads, fiannels, press covers, cement, Lewis National Corp. LENACO NO-SAG, tumbler pads, Lewis National

Corp.

Corp.

LENASOL, disinfectant, Lewis National Corp.

LENO, nylon net, Iselin-Jefferson Co., Inc.

LEPRECHAUN MIST, suede dressing, Leprechaun, Inc.

LESLIE, controls and regulators, pumps, valves,

Leslie Co.

LESO, leather soap, Nu-Pro Mfg. Co. LESTARE, bleach packets for laundromats, Lestoil

Froducts Inc. 2STEX, laundry detergent, Lestoil Products Inc. 2STEX, liquid washing compound, Lestoil

LESTOIL, liquid washing compound, Lestoil Products, Inc.

LETHOL MOTH FUMIGANT, insecticide, Mortemoth Chemical Laboratories

LEYELENE, textile dyeing assistants, American Indian Products, Inc.

LEYELENE FGD, color-setting liquid, American Annina Products, Inc.

LEYELOL, stripper, Eaton Chemical & Dyestuff

LEVELOL, stripper, Eaton Chemical & Lycshal Co.
LEVELOL, prespot leveling agent, Stamford Chemical Co.
LEVELON, blue, H. Kohnstamm & Co., Inc.
LEVELON, moisture leveler and neutral spotting base. National Cleaners Chemical Mig. Co.
LEVER FORMULA 770, 777, 880, all-purpose granules, mild flakes, heavy detergents, Lever Brothers Co.
LEVER LIQUID DW 300, light duty synthetic detergent liquid, Lever Bros., Co.
LEVER SOAP, high-titer chips, granules, Lever Brothers Co.

Brothers Co.
LEWIS, baskets, trucks, G. B. Lewis Co.
LEWIS, rug binding machines, Lewis Invisible
Sittch Machine Co.
LEWIS LINE, reinforced plastic, woven wood and
wire and masonite-pressedwood baskets, hampers and 4-wheel box trucks, Container Development Corp. LEXARD, milled toilet soap, Swift & Co., Indus-

LEXARD, milled tours son, trial Soap Dept.

LEXINGTON, single-bath synthetic solvent drycleaning unit, American Cleaners Equipment
Co., Div. American Laundry Machinery Co.

LEXINGTON 301, 30 lb. synthetic cleaning unit,
and the solvent controls, spring mounting.

LEAING ION 301, 30 lb. synthetic cleaning unit, completely automatic controls, spring mounting, stainless steel cylinders, tub or body, American Cleaners Equipment, Div. American Laundry Machinery Co.

L4008, laundry starch, Clinton Foods Inc.

LIBERTY, fiber tag material, marking tag, Liberty Marking Tag, Inc.

LIFE FOR FABRICS, water repellent and fabric conditioner, Franklin Research Co.

LIFE-LOK, impeller adjustment feature, Decatur Pump Co. Pump Co. LIFETIME LINEN TAPE, mending tape, Hughes

LIFETIME MOTHPROOFING, moth repellent,

Sibur Mothproof Co.
LIFE-TUBE, ball-bearing pillow blocks and flange
units, T, B, Wood's Sons Co.
LIFT, promoted synthetic detergent, Lustrol Drycleaning Froducts, Div. Patek & Co.
LIFTYEYOR, inclined belt conveyor, Mechanical
Handling Syntoms, Loc.

Handling Systems, Inc. LIGHTER METHOD, laundry packages, Sutherland Paper Co. LIGHT-LOADER, belt conveyors, New London

Engineering Co.
LIGHTNING BLEACH, fast acting wool bleach,
Lustrol Drycleaning Products, Div. Patek & Co.
LIGHTNING, drycleaning, fur and upholstery
cleaning compounds, Mortemoth Chemical Lab-

LIGHTNING, water-repellent dip tank, Hopkins Equipment Co.
LIKOL FLAKES, green neutral soap, Keever
Starch Co., Keever Beach Div.
LIME-SOLV, rinsing aid, H. Kohnstamm & Co.,

LINCOLN, rug and carpet redyeing, Lincoln-Hudson Rug Dyers, Inc.

LINDY, drycleaning and laundry marking pens, Lindy Sales Co. LINENFIXE, sours, H. Kohnstamm & Co., Inc.

LINEN SOUR, H. Kohustamm & Co., Inc.
LINEN SOUR, linen and laundry sour, Keever
Starch Co., Keever Beach Div.
LINEN Source, Chains, conveyors, power transmission machinery, Link-Belt Co.
LINN, special bodies, delivery trucks, Linu Coach
& Truck Div., Great American Industries, Inc.
LINOL, disinfectant, Lincoln Research, Inc.
LINTEX, de-Initing compound, Dixo Co., Inc.
LINTEX, fabric softener, Edmar Chemical Co.
LINTEX, fabric softener, Edmar Chemical Co.
LINTERES, CLING FREE, drycleaning process,
Davies-Young Soap Co.

Davies-Young Soap Co.
LINTROL, dry size anti-static compound, Stamford Chemical Co.
LIF-1-CATER, lipstick and lacquer remover, W.
F. Johnson Products Co. LIPOFF, cleaning compounds, Mortemoth Chemical Laboratories LIPSTICK-MUV, lipstick remover, Package Chem-ical Co., Inc.

ical Co., inc.

LIQUA-BREAK, washroom delergent, DaviesYoung Soap Co.

LIQUA-PEL, weatherproof, Edelmuth Mig. Chem-

LIQUID BLUE "G," blue, Diamond Alkali Co. LIQUID BLUE, H. Kohnstamm & Co., Inc. LIQUID BLUE "R," blue, Diamond Alkali Co. LIQUID DRICLENE, drycleaning detergent, Armout & Co.
LIQUID-LITE, liquid brightener, laundry, Tower LIQUID MORTEMOTH, insecticide, Mortemoth

Chemical Laboratories
LIQUID RECAL, amonic neutral liquid syndet,
Armour & Co., Industrial Soap Dept.
LIQUID RESISTO-CAL, dry side water repellent,

LIQUID RESISTO-CAL, dry side water repellent, Caled Products Co., Inc.
LIQUIVATOR, condensate return system, Morehead Mig. Co
LIQUOR CHLOROXYLENOLIS, disinfectant, Lincoln Research Inc.
LISTMAKER, laundry listing machines, National Marking Machine Co.
LITTLE MOLT, pocket material, B. & G. Lieberman Co.; Inc.

man Co., Inc. LITTLE CHIEF, pumps, Fairbanks, Morse & Co. LITTLE GIANT, water spray gun, Stebbins Mig. & Supply Co.

LITTLE GIANT AIR VAC, air vacuum system

Electronic Machine Co. LITTLE INCH, tape dispenser, Better Packages,

LITTLE JOE, adjustable garment hanger, Keyes-

LITTLE JOE, adjustable garment nanger, Aeyes-Davis Co.

LITTLE WARRIOR, metal washer, Illinois Laundry Machinery Mig. Co.

LITTLE WONDER, electric whiskbrush machine, American Pressboard Co.

LIVE OAK. leather transmission belting, Eagle Belting & Leather Co.

LIVELY, detergent and bleach packets for coin-op laundries. Automatic Enterprises, Inc.

laundries, Automatic Enterprises, Inc.
LIVING WHITE, activated fatty acid soap, Acti-

LIXATE, rock-salt dissolver, International Salt

Co., Inc.

I. N. 4, spotter and stripper, Lewis National Corp.

LOAD-KING, laundry and drycleaning tumbler,
Hoyt Mfg. Corp.

LOADTROL, reclaimer, Hoyt Mfg. Corp.

LOCK END, trouser guards, necktie forms, Paulin
Products Co.

LODESTAR, electric hoist, Chisholm-Moore Hoist
Div., Columbus McKinnon Corp. Div., Columbus McKinnon Corp.

LO-DOOR MAMMOTH CASCADE, laundry
wisher, American Laundry Machinery Co.

LOEBL, garment dyeing. Loebl Dye Works, Inc.

LOGIK, soap builder, Minnesota Chemical Co.

LO-HED, hoists, car pullers, American Engineer-

LOK-STRIP, collar support, Time Savers, Inc. LOK-TITE, marking tags, Liberty Marking Tag

Co., Inc.
LO-MAINTENANCE, electric motors, Allis-Chalmers Mig. Co.
LONGBOY, cotton nets and flatwork ironer apron,
Carson Textile Co.
LONGLIFE, ironer aprons, ironer ribbons, Tingue,
Roown & Co.

LONGWEAR, F. W. I. aprons, Tingue, Brown &

Co.

LOOKOUT, steel steam power boilers, condensate return systems, boiler pump systems, Lookout Boiler & Mfg. Co.

LO-SET, high temperature mortar, Mexico Refractories Co.

Control States Company

LO-SET, high temperature mortar, mexico Refractories Co.
LOSET, stokers, Canton Stoker Corp.
LO-SHUN, high suds synthetic detergent, Wyandotte Chemicals Corp., J. B. Ford Div.
LOSTOKER, holier stoker, Detroit Stoker Co.
LOT SYSTEM TAG-O-MATIC, marking machine for lot system identification, Textile Marking Machine Co., Inc.
LOUDEN, conveyors, cranes, hoists, Louden Machinery Co.
LOVELY ON SILICONE SPRAY, aerosol deodorant, water repellent, Fumol Corp.
LOX-STRIP, collar supports, Time Savers, Inc.
LOYAL, automatic starcher, Armstrong Machinery Co.

LOYAL, pressing machines, vacuum systems, starching machines, Loyal Textile Machinery Corp.

LT 60, built red oil soap, Allen B. Wrisley Co. LT-252, protein digester, Pabst Brewing Co., In-dustrial Products Div.

LT-253, protein digester, Pabst Brewing Co., Industrial Products Div.

LUBETLEX, starch and inhericant, Hood Chemical Co., Inc., Crescent Div.

LUB-N-WAX, powdered ironer wax, Speare Co.

LUBH-N-LLEN, lubricating agent for ironers and presses, Paper Chemicals Co.

LUECKE, drapery pleat-folder, steam vacuum table, stretcher, topper, hangers (shop) and general use, Luecke Drapery Pleating Machine Co.

LUMAR, textile softener powder, Marlyn Chemical Co. Inc.

Cal Co. Int.
LUNKENHEIMER, valves, boiler mounts, lubreators, grease cups, gauges, etc., Lunken-LUSE'S LO-SUDS, synthetic detergents, Wm, K.

Luse & Co.
LUSTERETTE, portable for troning and glazing
machine, Reliable Fur Storage Equipment Co.,
Div. Reliable Machine Works, Inc.
LUSTER FIXE, sour, H. Kohnstamm & Co., Inc.
LUSTER-HATE, press plate for stiks, Bishop

LUSTERSUDS, soap, H. Kohnstamm & Co., Inc. LUSTERWAY, drycleaning system for franchise basis, McCleary Associates, Inc., and/or Root

& Co. LUSTERWAY COMPOUND, for cleaning say dust, foot & Co.

LUSTERWAY FORMULA, fur conditioner and glaze, foot & Co.

LUSTERWAY SOLVENT, fur cleaning solvent, foot & Co.

LUSTOL, products for drycleaning, Patek & Co., Lustrol Drycleaning Products Div. LUSTRALL, liquid synthetic cleaner, National Cleaners Chemical Mfg. Co.

LUSTRE SEAL, floor sealing and repair material, Keystone Chemical Co. LUSTRO-KLEEN, liquid wetcleaning sonp, Slater-

Robbins Co., Inc.

LUSTRON, laundry flatwork ironer, American
Laundry Machinery Co.

LUX FLAKES, pure soap, Lever Bros. Co.

LUXOL, starch lubricant, E. F. Drew & Co., Inc.

LUXOR FLASTIC, transparent garment bags,
Rassenfors Bag Co., Inc. LYDET, neutral liquid syndet, Keever Starch Co.,

Me

McDonnell & Miller, Inc.

McDonnell & Miller, Inc.
McDonnell & Miller, Inc.
McDonnell & Miller, Inc.
McELMOYI., canvas baskets, canvas shipping hampers, canvas baskets trucks, M. J. McElmoyl Co.
McKer-eccips, blowers, boiler feed and return systems, gas burners, controls, Eclipse Fuel Engineering Co.

M

M&M, break booster, M & M Chemical Co. M & M, boilers, level controls, McDonnell & Mil-

MIF, pipe fittings, Malleable Iron Fittings Co.
M-K-O, automatic boiler feed systems, MearsKane-Ofeldt, Inc., Div. S. T. Johnson Co.
M. L. B., waterproof cemented leather belting and
dressing, Milwaukee Leather Belting Co.
MscCARL, FOG BLASTER, sprayers, MacCarl
Co., Inc. MacCARL FOG MAKER, sprayers, MacCarl Co.,

Inc.
MACHETA AIRFOIL, industrial ventilating fans,
Aerovent Fan Co.
MACKLER, fur cleaning equipment, B, Mackler

MAESTRELLI, drycleaning machines, synthetic, North American Maestrelli, Inc. MAFORCO, fur storage equipment, racks, Market

MAFORCO, fur storage equipment.

MAFS, tubular filters, Mafs Corp.

MAFS COOKER-STILL, combination muck cooker and still, Mafs Corp.

MAGIC, double collar support, J. W. Steele & Co.

MAGIC, rug measuring table, Moore's TimeSaving Equipment, Inc.

MAGICARE, drycleaning process, MinneapolisHoneywell Regulator Co.

MACICARE CONVEYOR CONTROL, automatic
station selector control, Minneapolis-Honeywell
Regulator Co.

Regulator Co.

MAGICARE, RELATIVE HUMIDITY CONTROL
SYSTEM, washer moisture control, Minneapolis-

Honeywell Regulator Co.

MAGICARE TUMBLTROL PANEL, drycleaning reclaimer and laundry tumble temp control, Minneapolis-Honeywell Regulator Co.

MAGIC BELT RING, belt holder, A. G. Vara &

Sons, Inc.

MAGIC CORNER, bexes, Sutherland Paper Co.

MAGIC-DIAL, call office conveyor (bundles and
garments), Forse Corp.

MAGIC FLANNEL, foam later D. C. pads, Xeever

Starch C. Kessur Baach Div. Starch Co., Keever Beach Div. MAGIC INSTICK, ink eradicator, Nu-Pro Mfg.

MAGIC RINSE, fabric softener, Edmar Chemical MAGIC-SEAL, shirt bands, Century Paper Prod-MAGIC SPOTTER, medicine remover, Dello

Products Co.
MAGLA SILVER, cover cloth, Magla Products MAGLINER, package, garment, hand and plat-form trucks, dockboards, rollse conveyors and barrel skids, Magline, Inc.
MAGNESOL, absorptive filter powder, Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.

MAGNETROL, liquid level controllers, Fred R. Schaub Engineering Co,
MAGNETTE, circuit breakers, Heinemann Electric

MAGNISET, a type of free vane air-operated controller, Bristol Co.

MAJOR, Unbricators, Lunkenheimer Co.

MAJOR, nylon laundry net, Gibraltar Fabrics, Inc.

MAMMOTH CASCADE, laundry washer, American Laundry Machinery Co.

MANHATTAN, nylon net, knitted, Gibraltar Fabrics inc. rics, Inc. MANHATTAN, hose, rubber, Revolite Div., Ray-

bestos-Manhattan, inc.
MANISOLV, prespotter, Merson Products Co.
MANITOWOC, "FASHION AWARD," drycleaning and finishing equipment, Manitowec Engineering and Christing equipment, Manitowec Engineering Christing Services (Christian Christian Christi MANISOLV. meering Corp.
MANITOWOC-OLSON, tubular fliter, Manitowoo

Engineering Corp.
MANOMATIC, polyethylene bag makers, Pak-All Corp. MANYWASH, nylon nets, Tingue, Brown & Co. MARATHON, ironer tape and feed ribbons, as-bestos ironer covers and pads, black nylon cloth, Renwall Mer Co. bestos ironer covers and pads, black nylon cloth, Benwall Mfg. Co. MARATHON, flatwork ironer padding, Southern

Mills. Inc.
MARCLENES, charge detergent, penetrant wet
prespotter, Marclene Products Corp.
MARCO, hot-water heaters, torage heaters, feedwater heaters, oil separators, Marshall Heater

MARCO, racks, lighting fixtures, Cleaners Sales & Equipment Corp MARIONE grease cups, Lunkenheimer Co. MARIONETTE, shirt bands, hanger shields, collar supports and combination shirt bags, Marion

Mfg. Co.
MARK-FLOW, identification and handling equipment. Keves-Davis Co.

ment. Keves-Davis Co.

MARKMASTER, rental garment identification machine. National Marking Machine Co.

MARKOGRAPH, marking machines, marking lnk,
George Steigler Co.

MARK-O-INK, indelible marking lnk, Mark-O Corp.
MARK-O-PEN, indelible marking pen, Mark-O

Corp.
MARK RITE, tags, Lewis National Corp.
MARKHITE, haundry marking ink, Patek & Co.
MARLATE, insecticide, E. L. du Pont de Nemou

& Co., Inc.

ARLOW, filter, cil, solvent and water pumps,
Marlow Pumps, Div. Bell-Gossett Co.

MARLYN, coin-op packages and vending machines, Marlyn Chemical Co., Inc.

MARLYNBRITE, bleach, Marlyn Chemicals Co., MARMON-HERRINGTON, all wheel drive truck,

Marmon-Herrington Co., Inc.
MAROSAL, rinsing aid, Minnesota Chemical Co.,

MARPEL, water repellent, Marclene Products

Corp.
MARSHALL'S, spotters, Marsh Corp.
MARSHALL'S, spotters, Marshall Co.
MARTEX, non-slip composition flooring, treads,
American Abrasive Metals Co.
MARTIN, drycleaning and finishing equipment,
Martin Equipment Co., Div. American Laundry
Machinery Co.

MARTINIZING, drycleaning system, Martin Equipment Co., Div. American Laundry Ma-chinery Co. MARVA, scrubbing soap, Marvella Corp.

MARVEL, cotton padding, canvas cement, Pitts-burgh Waterproof Co. MARVEL, ink remover, Keystone Aniline & Chemical Co., Inc.

MARVEL, drycleaning equipment, Marvel Mfg.

MARVELAIRE, humidifiers, Essiek Mfg. Co. MARVELLA, rubber enamel, rubber glass and rubber enamel floor resurfacing materials; rub-ber glass and rubber paint, rug shampoo, wax and oil remover, upholstery shampoo, Marvella

MARVELO, built soap powder, West Side Corp. MARVESO, drycleaning soap, Nu-Pro Mfg. Co. MASONEILAN, steam plant equipment, Mason-Neilan Regulator Co.

MASS PRODUCTION CURTAIN DRYER, 3-way tain drier, National Dryer Mfg. Co.

MASTER, drying tumblers, Hammond Laundry-Cleaning Machinery Co.

MASTER, drying tumblers, Hammond Laundry-Cleaning Machinery Co.
MASTER, evaporative coolers, Essick Mfg. Co.
MASTER, evaporative coolers, Essick Mfg. Co.
MASTER, glove cleaning soap, Keystone Aniline & Chemical Co., Inc.
MASTER, int brush, Master Products Co.
MASTER, pylon nets, X. S. Smith, Inc.
MASTER, presses, laundry and drycleaning equipment, Master Machinery Co.
MASTER, sustomatic sleever, folder, Forse Corp.
MASTER, saps, Lasco Supply Co.
MASTER, valves, Chace Valve Div., American Laundry Machinery Co.
MASTER-BILT, solvent cooler, Master-Bilt Refrigeration Mfg. Co.
MASTER BRAND, hatters' equipment, supplies Maxant Button & Supply Co.
MASTER CASCADE, laundry washer, American Laundry Machinery Co.
MASTER CASCADE, laundry washer, American Laundry Machinery Co.
MASTER CASCADE, laundry washer, Miller Laundry Machinery Co.

Laundry Machinery Co.
MASTER CHALLENGER, washer, Miller Laun-

MASTER CHALLECTOR, Wilsier, siller Lauring of Machinery Co.

MASTER COLLECTOR CART, aluminum or steel soiled linen or laundry cart, Paul O. Young Co.

MASTER CONTROL UNIT, steam system, Velocity Steam Production Engineering, Inc.

MASTER DRY CLEANSER, paste drycleaning soap, Kevstone Aniline & Chemical Co., Inc.

MASTER FOLDER, automatic shirt folder, Forse Cover.

Corp.
MASTER KING, net pins, Keyes-Davis Co.
MASTERMATIC, washer control, American Laundry Machinery Co.
MASTER-MATIC, filter cleaner, perc reclaimer,

Master Mfg. Co.

MASTER PLATE, floor resurfacing concrete,
Master Builders Co.

MASTER QUICK, floor patching concrete, Master
Builders Co.

MASTER SELF-SEAL, shirt bands for advertising messages. Package Masters, Inc. MASTER SLEEVER, sleeve finisher, Forse Corp. MASTER SOLVENT EXTRACTOR, muck cooker,

Master Mg. Co.
MATCHLESS, monorail trolley, Chisholm-Moore
Hoist Div., Columbus McKinnon Corp.
MATCH-O-MATIC, match book dispenser, Uni-

versal Match Corp.

MATCHORAMA, match book, Universal Match MATEER, extractors, Western Laundry Machinery

MAXANT MASTER, pleating machine, Maxant Button & Supply Co. MAX-EL, machinery steels, Crucible Steel Co. of

MAN-EL, machinery steels, Crucinic steel Co. or America
MAYTAG, automatic washer and dryer, coin operated, Maytag Co.
MEASUREGRAPH, drapery measure, Morey Seldin Machinery Corp.
MECLASOL, washroom detergent, Carlton Chemicals Co., Inc.
MECOLOID, colloidal clay compound, H. Kohnstamm & Co., Inc.
MEHL, transparent bags, Mehl Mfg. Co.
MEMO TAGS, pre-printed instruction tag, Larton Products Co., Inc.
MENDEX, tabs and tapes for repairing marking, Mendex Corp.
MEND-MASTER, machines for applying tapes or tabs, Mendex Corp.

tabs, Mendex Corp.
MENTOR BEADS, synthetic detergent, Colgate-

Palmolive Co.

MERASOL, colorless drycleaning detergent, R. R.

Street & Co. Iron

Palmolive Co.

MERASOL, colorless drycleaning detergent, R. R. Street & Co. Inc.

MERCHANDISER R, "better built" delivery truck bodies for stripped forward control chassis, Boyertown Body & Equipment Co.

MERCHANTVAN R, "better built" delivery truck bodies for laundry and drycleaning industry. Boyertown Body & Equipment Co.

MERCHANTVAN R, "better built" delivery truck bodies for laundry and drycleaning industry. Boyertown Body & Equipment Co.

MERCURY, cleaning systems, filters, stills, tumblers, Mercury Cleaning Systems, tinc.

MERCURY, Presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.

MERCURY NUMATIC, fully automatic air operated valves, Mercury Cleaning Systems, Inc.

MERMAID, break powder, Los Angeles Soap Co.

MERMAID, break powder, Los Angeles Soap Co.

MERNYEL, surface active agent, E. I. du Pont de Nemours & Co., Inc.

MERRY GO ROUND, shirt sorting bin, Time Savers, Inc.

Savers, Inc.
MERSON, soaps, strippers, Merson Products Co.,

MERTEX, drycleaning soap, Merson Products Co. MERTONE, charge soap, Merson Products Co.,

MERTONE-LITE, charge soap light, Merson Products Co., Inc. METAFOS, sodium metaphosphate, Rumford Chemical Works

METEOR. electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Corp.

Div., Columbus McKinnon Corp.

METALA-COTA, boiler water treatment, State
Mfg. Co., Inc.

METLWAL, Metal partitions and paneling, Prosperity Co., Div., Ward Industries Corp.
METLWAL, IR., railing high partitions, Prosperity Co., Div., Ward Industries Corp.
METLWAL, JR., railing high partitions, Prosperity Co., Div., Ward Industries Corp.

METRO, multi-stop delivery truck bodies, International Harvester Co., Motor Truck Div.

METRO-MITE, delivery trucks, International Harvester Co., Motor Truck Div.

METSO, detergents, Philadelphia Quartz Co. METSO 88, rug cleaner, Philadelphia Quartz Co.

METSO 55, silicate-type detergent, Philadelphia

Quartz Co.

METSO ANHYDROUS, anhydrous sodium metasilicate, Philadelphia Quartz Co.

METSO GRANULAR, sodium metasilicate pentahydrate, Philadelphia Quartz Co.

METSO 39, sodium sesquisilicate, Philadelphia
Quartz Co.

METSO 200, sodium orthosilicate, concentrated,
Philadelphia Quartz Co.

MEXICAST, plastic refractory concrete, Mexico
Refractories Co.

MEX-LOX, jointing material, Mexico Refractories
Co.

Co.

MEYERCORD, truck decals, Meyercord Co.
M-5, insulating firebrick, Mexico Refractories Co.
M-500, conventional drycleaning washers, Western Laundry Machinery Co.
MICROBACIDE C-6, bacteriocidal, fungicidal, fungicidal,

ern Laundry Machinery Co.

MICROBACIDE C-6, bacteriocidal, fungicidal
compound concentrated, Tower Chemicals, Inc.

MICROBACIDE L-1, bacteriocidal, fungicidal
compound, Tower Chemicals, Inc.

MICROMET rust and corrosion preventative, Calgon, Inc.

gon, Inc.
MIDCO, flameproofing agent, Merson Products Co.
MIDGET, continuous towel cabinet, Steiner Sales

MIDGET, controls, Morehead Mfg. Co.
MIDGET, static eliminator for industrial machinery, Simco Co.

ery, Simco Co.
MIDGET KING, marking pins, Keyes-Davis Co.
MIDGET-MATIC, laundry washers, Hammond
Laundry-Cleaning Machinery Co.
MIDLINER, continuous cloth towel cabinet,

MIDOFORM, all-around spotter, Merson Products

MIDOFORM, all-around specter, recovered to Co., Inc. Co., Inc. Co., Inc. MiDWEST, filters, tube type, washer extractor combination, Midwest Machinery Co.
MIDWEST, garment hangers, hanger shields and guards, shirt boards, Midwest Hanger Co.
MIL-CIDE, mildew preventative, Speare Co.
MIL-CD, colorback (for restoring color to faded fabrics), shampoo, A. O. Miller & Co.
MILDEW-CHEK, mildew preventative, Chek Products Inc.

Products, Inc.
MILDEX, mildewicide, Patek & Co.
MILDUSIZE, drycleaning mildew preventative,

Cidex Corp.

Gidex Corp.

MILEACE BOOSTER, vapor-absorbing machine,
Vic Manufacturing Co.

MILLER, laundry washers-extractors, Miller
Laundry Machinery Co.

MILLER AUTOMATIC DOUBLE COVER EXTRACTOR, sling extractor, Miller Laundry
Machinery Co.

Miller Laundry

Machinery Co.

Machiory Co.
MILLERMATIC, wash controls, Miller Laundry
Machinery Co.
MILLSPRAY, insecticide, Keystone Chemical Co.
MILLOR, all products—laundry, drycleaning extractors, washers, Pellerin Milnor Corp.
MILTROL. CONSOLE, automatic washer control,
Pellerin Milnor Corp.
MINCO, sours, wet cleaning soap, and rug shampoo, Minnesota Chemical Co.
MINCO FEED RIBBONS, clipper laced feed ribboas, Minnesota Chemical Co.
MINIATURE SLEEVERS, sleeve formers, Wichita
Precision Tool Co., Inc.

MINIATURE SLEEVERS, sleeve formers, Wichita Precision Tool Co., Inc.
MINI-LINE, pneumatic indicators and controls, Bailey Meter Co.
MINISUDZ, low-sudsing synthetic detergent, Keever Starch Co., Keever Beach Div.
MINIVAN' R, "better built" delivery truck body. Boyertown Body & Equipment Co.
MIRACLE, water softeners, iron removal units, filters, neutralizers, Water Refining Co., Inc.
MIRACLE LINT PAD, reusable pad for removal of lint, hair and dandruff, Arrow Mfg. Co.
MIRACLE-MATIC. wather-activer, dryclenning.

MIRACLE-MATIC, washer-extractor, drycleaning and laundry, Hammond Laundry-Cleaning Ma-

MIRACLE MONIX, rug cleaning compound, mothproofing agent, Monix Co. MIRO SPRA, Nu-Pro Mfg. Co.

MIRZA, rug cleaning system and machine, rug duster, rug dryroom conveyor, rug drying unit, rug wringer, American Laundry Machinery Co. MISSION BELL, toilet soap, Los Angeles Soap Co. MIST, steam spotter, Pennsalt Chemicals Corp. MITCO, drycleaning washer, tumblers, J. B. Mit-chell Co.

MIXST MASTER, moisture dispersing agent, Ellenbogen & Shannon, Inc.

Ellenbogen & Shannon, Inc.
MIZON, rug cleaning detergent, Fumol Corp.
MKAYO, steam boilers for oil firing, Mears-Kane-Ofeldt, Inc., Div., S. T. Johnson Co.
MO. clothing mfrs. presses, Prosperity Co., Div.,
Ward Industries Corp.
MOBILE HAMPER, clothes cart, R. B. Smith Co.

MOBIL MARKER, storage bin, marking hopper and marking table, Bishop Freeman Co. MOCO, drycteaning soap, fabric deodorant, liquid weteleaner, spotter, dye pads, Package Chemical

Co., Inc.

MODEL, full line of laundry washroom supplies,
Port Huron Detergent Co., Inc.

MODEL A-3 FASHIONER AJUSTA-FORM, deluxe all purpose steam air finisher, Wichita Precision Tool Co., Inc.

MODEL CB, packaged boilers, Cleaver-Brooks Co.

MODEL 11-C, 40 lb. drycleaning unit, Prosperity
Co., Div. Ward Industries Corp.

MODEL 500 amd 50, drycleaning washer, conventional types, Western Laundry Machinery Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 262.

MODEL LO, rug pile brush, Certified Chemical &

MODEL LO, rug pile brush, Certified Chemical & Equipment Co.

MODEL P-2, AJUSTA-FORM, steam air finisher, Wichita Precision Tool Co., Inc.

MODEL 65, solvent reclaimers, Vic Mfg. Co.

MODEL 300, drycleaning extractor, Western Laundry Machinery Co.

MODINE, unit heaters, coolers, Modine Mfg. Co.

MODINE, tire recupilding and repair materials, Mohawk Rubber Co.

MOGRIF, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.

MOGMUM, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.

MOHAWK, padding, Egan Cotton Mills

MOHAWK, tallow soap chips and powder, Swift & Co., General Soap Dept.

MOHAWK, tire recapping stock, tire repair materials, Mohawk Rubber Co.

MOHAWK, tire recapping stock, tire repair materials, Mohawk Rubber Co.

MOHAWGH, switchtin solvent drycleaning ma-

Co., Inc.

Co., Inc.

MONARCH, synthetic solvent drycleaning machine, Detrex Chemical Industries, Inc.

MONARCH, laundry washer, American Laundry
Machinery Co.

MONARCH, water pumps, chemical and mechanical water conditioners, water filters, softening
and treating equipment, zeolite, Monarch Engineering Co.

gineering Co.

MONARCH HI-LO, washer-extractor combination
(laundry), Monarch Laundry Machinery Corp.

MONARCH HI-O, 25 lb. automatic open end
washer, Monarch Laundry Machinery Corp.

MONEL, alloy of nickel and copper, International
Nickel Co.

Nickel Co.
MONELLO, Monel pads for overall presses, Resillo
Press Pad Co.
MONEX, laundry extractor, American Laundry
Machinery Co.
MONITE, moth-mildewproofing with built-in deodorant, Monite Co., Inc.
MONOBLOC, close-coupled centrifugal pumps,
Worthington Pump & Machinery Corp.
MONO-CHROME, chrome base plastic refractory,
Mexico Refractories Co.
MONO-FABRIK, plastic firebrick, Mexico Refractories Co.

tories Co. MONOFLO, rotary cable conveyor, M-H Standard

MONOGRAM, vinyl plastic link mats, American

MONOGRAM, viryi present Mat Corp. Mono-Line, plastic firebrick, Quigley Co., Inc. MONOMAT PAD, stainless steel D. C. pads, Keever Starch Co., Keever Beach Div. MONROE, accounting and business machines, Monroe Calculating Machine Co., Inc. MONTPELIER, truck bodies for laundry and linen supply delivery, Montpelier Mfg. Co. MOURE, autographic register, Moore Business Forms, Inc.

MOORE, autographic Forms, Inc.
MOORE, trolleys, monorail, Chisholm-Moore Hoist Div. Columbus McKinnon Corp.
MOORES OCTOLENE, rug cleanser, Moore's Time-Saving Equipment, Inc.
MORAN, paint products, Moran Paint Co.
MO-REX, dry press firebrick, Mexico Refractories

MORHEAT, boiler and steam generators, Morheat Sales Co. MOROCCO, rug sizings, National Starch Prod-

MÖROCCO, rug sizings, National ucts, Inc.

MORSE, drum plug wrench, drum dispensing racks, bottle tippers, drum hand trucks, Morse Mig. Co., Inc.

MOTEX, laundry extractor, American Laundry Machinery Co.

MOTEX, mothproofer, Coastal Chemical Corp.

MOTH-ASEPTIC, mothproofing germicide, Permanula Corp.

Aseptic Corp.
MOTH-BAN, moth proofing, Nu-Horizon System
MOTH-CHEK, mothproofing agent, Chek Products, Inc.
MOTHPROOFITE, insecticide, mothproofing concentrate, Mortemoth Chemical Laboratories
MOTH-SAN, mothproofing agent, Huntington
Laboratories, Inc.

Laboratories, Inc.
MOTH SEAL, storage bags, Lincoln Bag Co., Inc.
MOTH SECTOL, dual-action moth spray, Fumol

MOTH SHIELD, plastic storage bags, Rassenfoss MOTO-BELT, belt conveyors, New London Engi-

MOTOPUMP, water supply pump, Yeomans Bros. MOTORCOMPRESSOR, air compressors, Inger-

soll-Rand Co.
MOTOR PUMP, solvent and water pump, Inger-

soll-Rand Co.
MOUNT VERNON, cloth, asbestos, cover, filter, press, twine and uniform, Mount Vernon Mills, Inc.
M. P. 189, wetting and dispersing agent, Lewis

National Corp.

MR. SIGNAL SPRAY SPOTTER, spray spotter, pre-spotter, neutral lubricant, Signal Chemical Mrg. Co., Inc.
Mrg. STEWART'S, liquid bluing, Luther Ford &

Co.
M. S. A., first aid and safety equipment, salt tab-lets and dispensers, Mine Safety Appliance Co.
M-300, laundry and drycleaning extractors, West-ern Laundry Machinery Co.

M-26, M-29, and M-29, insulating firebrick, Mexico Refractories Co.

MULHOLLAND HARPER, high baked deluxe metal signs for indoor and outdoor, also plastic signs, Mulholland-Harper Co.

MULSOLITE, lubricant, spotter, penetrant, R. R. Street & Co., Inc.
MULSOL-K, overall cleaner, Laundry Chemicals Co.
MULTI-CLEAN, all-purpose scrubbing machine for rugs and carpets, Multi-Clean Products, Inc. MULTI-CLEAN, ANTI-SLIP WATER PROOF FLOOR WAX, emulsion waxes, Multi-Clean Products, Inc.
MULTI-COIL, water heaters, circulating tank, Ruud Mfg. Co.
MULTI-COUNTER, counting devices, Multi-Counter Mfg. Co. MULTI-CUSHION, felt padding, Pittsburgh Wa-MULTI-CUSHION, felt padding, Pittsburgh Waterproof Co.
MULTI-FIN, water heaters, instantaneous, circulating tank, Ruud Mfg. Co.
MULTI-GRAPH, hand-operated duplicating machine, Addressograph-Multigraph Corp.
MULTI-GRIP, floor plates, U. S. Steel Co.
MULTI-MOUNT, electric power drive, Sterling Electric Motors, Inc.
MULTI-FHOS, phosphate regenerator, Speedlite Chemicals Co., Div. Patek & Co.
MULTIPORT, valves, drainers, Cochrane Corp.
MULTITHERM, air-conditioning units, Clarage Fan Company Fan Company
MULTI-V DRIVE, V belt drives and sheaves,
Worthington Pump & Machinery Corp.
MURCO, unit heaters, D. J. Murray Mfg. Co.
MUROZA, feather cleaning and sterilizing systems. American Laundry Machinery Co.
MW 50, asbestos furnace cement, Philip Carey
Mfg. Co.
MYCEL, drycleaning process, R. R. Street & Co.,
Inc.

MYRO, water softeners, Hungerford & Terry, Inc.

N N-C, staples, stapling machines, Neva-Clog Prod-N-C, staples, stapling machines, Neva-Clog Products, Inc.
NCR, carbonless business forms, National Cash
Register Co.
N.G.S., drycleaning soap, National Cleaners
Chemical Mfg. Co.
N-L, plastic impregnated tags, ink, Wm. J. Nicholson Laboratories
N-M-D, globe, angle, check and quick operating
valves, Lunkenheimer Co.
N. P., stam remover, glove color, dry type water
repellent, stripper, size, suede oil, Nu-Fro Mfg.
No. Co.

N. R., laundry sour, Kenco Chemical Co., Inc.
N.R.-G., enzymic digester, George E. Mead Co.
NABORETTE, small family service laundry,
American Laundry Machinery Co.
NACCONOL, synthetic organic digester, National Aniline Division, Allied Chemical Corp.
NAIROIL, small oil burners, National Airoil
Burner Co., Inc.
NAJORT, laundry washers, R. Ewing & Sons,
Inc. NAL, tannin spot remover, Signal Chemical Mfg. Co.
NALCITE, resinous, ion exchangers, National
Aluminate Corp.
NALCO, heating units for driers, North American
Electric Lamp Co.
NALCO, water-treatment chemicals, National
Aluminate Corp.
NALAX, nail polish remover, Warco Laboratories,
Inc. Inc.

NAMCO, boiler compound, dry and wet water repellents, fabric finishing compounds, Namco Chemical Corp.

NAPOLENE PASTE FILTER SOAP, drycleaning soap, Keystone Aniline & Chemical Co., Inc.

NAPSEPTIC, sour, E. F. Drew & Co., Inc.

NAPSOAP 22, 60, laundry soaps, E. F. Drew & Co., Inc. NAPSOAP 22, 60, laundry soaps, E. F. Drew & Co., Inc.
NAPSO, medium-titer powdered built soap, E. F. Drew & Co., Inc.
NAPSOID, alkali compound, special detergents, E. F. Drew & Co., Inc.
NAPSOLY, spotting agent, E. F. Drew & Co., Inc.
NAPSO 22, oil built soap, E. F. Drew & Co., Inc.
NAPSUDS, rug and carpet soap, E. F. Drew & Co., Inc.
NAPSOLY, specifically soap, E. F. Drew & Co., Inc. NAPSUDS, rug and carpet soap, E. F. Drew & Co., Inc.
Co., Inc.
NAPTEX. oil built soaps, E. F. Drew & Co., Inc.
NAPTHANIL, dve bases, E. I. du Pont de Nemours & Co., Inc.
NAPTHOLE, alkali compound, special detergents,
E. F. Drew & Co., Inc.
NAPTHOLE inoner oil, E. F. Drew & Co., Inc.
NAPTHOLE B, medium-high pH detergent, E. F.
Drew & Co., Inc.
NAPTONE, complete laundering detergent, E. F.
Drew & Co., Inc.
NAPTONE, complete laundering detergent, E. F.
New & Co., Inc.
NAPWAX, ironer wax, E. F. Drew & Co., Inc.
NARRILAST, flat work ironer tape, Carson Textile Co. NARIU-LAS 1, has were all the control of the Co.

NASCO, soaps and washing compounds, National Soap & Chemical Co.

NASHAWAY, self sealing paper bands, Nashua Corp., Sure-Hold Div.

NASHUA, double-face fiannel, Nashua Textile Co.

NASHUA, package sealing machine, Nashua Package Sealing Co.

NATCO, instantaneous tankless water heaters, National Combustion Co.

NATIONAL, boiler seam protector, National Boiler Protector Co.

NATIONAL, cash registers, accounting, adding, bookkeeping machines, salesbooks and forms, National Cash Register Co.

NATIONAL, charge soap, for charge systems, National Cleaners Chemical Mfg. Co.

NATIONAL, charge test kits for strong soap, National Cleaners Chemical Mfg. Co.

NATIONAL, driers, stretchers, drying cabinets, tumblers, National Dryer Mfg. Co.

NATIONAL, driers, National Engineering & Mfg. Co. NEVER-SLIP, collar protectors, Phoenix Products Co. NEVERSLIP, tie hangers, Memphis Hanger Co. & Pittsburgh Hanger Co. NEVERSTRETCH, feed ribbon, Southern Mills, Inc.
NEW DEPARTURE, ball, radial and thrust bearings, New Departure, Div. General Motors Corp.
NEW GOVERNOR, nylon nets, Gibraltar Fabrics, Inc.

NEWHOUSE, spotting guns, brushes, counter racks, sleeve formers, press pad, spotting noses, sleeve boards, wetcleaning aprons, Newhouse Specialty Co., Inc.

NEW LAONDRYMAID DETERGENT, controlled suds detergent, Automatic Service & Supply Co., Inc. Co.

NATIONAL, dry size, used with Stoddard solvent and perchiorethylene, National Cleaners Chemical Mig. Co.

NATIONAL, forced air ventilating system, National System of Garage Ventilation, Inc.

NATIONAL, marking equipment, marking ink, belt conveyors, National Marking Machine Co.

NATIONAL, soot remover and rust-preventive treatment, National Chemical Sales Co., Laboratory, Inc. Inc. NEW LAUNDRYMAID DRY BLEACH, chlorine Service & Supply Co., dry bleach, Automatic Service & Supply NEW LAUNDRYMAID INSTANT STARCH, cold treatment, National Unemical Sales Co., Inc. ratory, Inc.

NATIONAL, tape dispenser, Nashua Corp.

NATIONAL AIROIL, oil burners and gas burners, National Airoil Burner Co.

NATIONAL "CLASS 41", accounting machines, National Cash Register Co.

NATIONAL LANG, listing machines, National Marking Machine Co.

NATIONAL REWEAVING SERVICE, reweaving equipment, Wonder Weavers

NATIONAL TAYPER, sealing machine, Nashua Package Sealing Co., Inc. NEW LAUNDRYMAID VEND DISPENSERS, dispensers for detergents, Automatic Service Supply Co., Inc.
NEW MANHATTAN, nylon nets, Gibraitar Fabrics, Inc. NEW NO. 30 CLEANER, fur cleaner, Nycco NEW OWIKGO, liquid digesting agent, A. L. Wilson Co., Inc.
NEW YORKER, drycleaning, laundry presses,
New York Pressing Machinery Co.
NIAGARA, chemical, oil and water meters, Buffalo NATIONAL LALVES, Package Sealing Co., Inc. NATIONAL TRUCK LEASING SYSTEM, truck NATIONAL TRUCK LEASING SYSTEM, truck leasing and rental services, National Truck Leasing System NATIONAL "21", cash register, National Register Meter Co. NIAGARA, filter screens, Niagara Filter Corp. NICE, ball and thrust bearings, Nice Ball Bearing NICE, ball and thrust bearings, Nice Ball Bearing Co.

NICHOLSON, floats, steam traps, thermostatic traps. Hoffman International Inc.

NIKE, bag sealer, Better Packages, Inc.

NILES, steel drums, Republic Steel Corp.

996, soap, H. Kohnstamm & Co., Irit.

9000 SERIES, steel-framed two-wheel hand trucks, Fairbanks Co.

NI-ROD, electrode for machinable welds, International Nickel Co., Inc.

NISSEN, dye and bleach resistant color-marking and writing tube, John P. Nissen, Ir., Co.

NITROX, cleaner, rust inhibitor, Solvay Process Div., Allied Chemical Corp.

NO-CHLOR, spotting agent, Nu-Pro Mfg. Co.

NO-DARN, mending iron, No Darn Co.

NO-EFFORT, handkerchief and napkin press and handkerchief Suffer, American Laundry Machinery Co.

NOEX, petroleum solvent drycleaning unit, drycleaning tumbler, American Cleaners, Equipment Co., Div. American Cleaners, Equipment Co., Div. American Cleaners, Equipment Co.

NO-FILAM-O. Sameproofing for fabrics, Nameo Co.
NAT-MAR-CO, marking-machines and inks, National Marking Machine Co.
NAUGATUCK SEAMLESS, seamless copper floats, Naugatuck Mfg. Co.
NEBULTE, oil-gas burner, Anthony Co.
NECCHI, sewing machines, Necchi Sewing Machine Sales Corp. chine Sales Corp.
NEEDLEBOARD, wire pressboards, American NEEDLEBOARD, wire pressboards, American Fressboard Co., Inc.
NEET, printed crush-proof shirt packaging, Market Industries Co., Inc.
NEEAT. shirt package, Patek & Co.
NEGASTAT-103, water soluble for rinse for static climination, Functional Products Div., Playtime Products Inc. elimination, Functional Products Div.
Products, Inc.
"NEGASTAT" 105 LDC, aerosol application for
elimination of static electricity and prevents its
further build-up, Functional Products Div.,
Playtime Products, Inc.
N-11, flatwork ironer padding and press pads,
Whitehouse Nylon Products
NEM-A, shirt-folding machines, J. W. Steele &
Co. NO-FLAM-O, flameproofing for fabrics, Nameo Co.
NENSOL, feeder, Infilco, Inc.
NEOMERPIN, surface active agent, E. I. du Pont
de Nemours & Co., Inc.
NEON'IL, basket liners, wash room aprons, Toptex Chemical Corp.

NoLAT OILET SOAP, soaps, Iowa Soap Co.

NOLAX, spotting agent, Warco Laboratories

NO-LINT, spray, Spix Products Co.

NO-LINT, fabric preservatives and conditioner for

linen supplies. Namco Chemical Corp.

NO-LINT-WORRIES, black bags, Zuckerberg Co.

NO-MAR TREATMENT, stain and water repellent. Paper Chemicals Inc.

NO-MIX, bundle separators, Rosenthal Mfg. Co.

NO-MIX, identification system, Checking System
Co. Corp.
NEO-SPONGE, standing comfort mat of neoprene,
American Floor Products Co.
NEOVADINE AN, stripper, Ciba Co., Inc.
NEPTUNE, leather belt cement, Graton & Knight Co.

NEPTUNE, built soap, sudsing synthetic detergent and heavy duty synthetic liquid detergent, Lever Bros., Co.

NE-TO. starch, A. S. Staley Mfg. Co.

NEUBRITE, fluorescent sour, Cowles Chemical Co.

NEULIN, economy sour, Cowles Chemical Co.

NEUSOL, moth proofing sour, Cowles Chemical Co. NOMOLD, mildew preventative, H. Kohnstamm & Co.. Inc.
NON-CRUSH, shirt carriages, Time Savers, Inc.
NON-IONIC, leather soap, Eaton Chemical &
Dyestuff Co.
NON-IONIC, fabric conditioner, Nameo Chemical Co.
NEUTRACIDE, sour, Lewis National Corp.
NEUTR-LENE, deodorant neutralizer, DaviesYoung Soap Co. Corp.
NON-SHIFT, wire garment hanger, Para-Luz
Products Co.
NON-SKID, floor tiles, Virginia Greenstone Co., Young Soap Co.

NEUTRAL LUBRICANT, neutral lubricant, Lustrol Drycleaning Products, Div., Patek & Co.

NEUTRA LUSTRE, for rug cleaners, Keever Starch Co., Keever Beach Div.

NEUTRA SOL, sweetening agent, Benda Products Inc.
NON X.L., water repellent, Boston Clip & Tag Co.
NORCO, meters, timers and control devices,
Norman Control Co.
NORLT, activated carbon, L. A. Salomon & Bro., ucts, Inc. NEUTRASOL, synthetic detergent, Lewis National Corp.

Corp.

Corp.

REUTRASUDS, flake or powder, high-titer tallow soap compound, E. F. Drew & Co., Inc.

NEUTRATIEX, sour, Lewis National Corp.

NEUTRATINT, sour, Lewis National Corp.

NEUTRATINT, sour, Lewis National Corp.

NEUTREX, rust removing sour, Speedlite Chemicals Co., Div. Patek & Co.

NEU-TRI, degreasing solvents, The Dow Chemical Co. NORJAC ECONOMY, foam press pad, Norjac NORJAC ECUNOMA; NORTH STAR, fur cleaning absorbent, Walter Haertel Co.
NORWALK, valves, Eclipse Fuel Engineering Co.
NOR-WIL, press covers, asbestos covers, Norton
Williams, Inc. NORWOOD CASCADE, washer, American Laun-Co.
NEUTRO, sour, Turco Products, Inc.
NEUTROGEN, sour, Lewis National Corp.
NEUTROHOR, sour, E. F. Drew & Co., Inc.
NEUTROPHOR, laundry neutralizer and whitener,
Carlton Chemical Co., Inc.
NEUTROSOAP, neutral laundry soap, Carlton
Chemical Co., Inc.
NEUTRO-STAT, anti-static spray, Simeo Co.
NEUTROTONE, detergent, Endriss Chemicals,
Inc. dry Machinery Co. NO-SCALE, boiler compound, D. W. Davies & Co.

Co.

NO-SNAC, laundry marking fountain pen, Cleaners Specialty Co.

NOSOK, non enzymic digester, spot remover,
George E. Mead Co.

NO STARCH, fabric conditioner and finishing aid
for shirt laundries, Nemco Chemical Corp.

NO-STAT, anti-static agent, Pagoda Industries,
Inc. NO-STAT, static eliminator and method of appli-cation via drying tumbler, Kleentest Labora-MEVA-CLOG, stapling machine, wire staples, Neva-Clog Products, Inc. NEVA-FALL, plastic rack and route guides, Red Wing Products

tories

NO-STRING MARK DEVICE, blanket edge ironer, Rosenthal Mig. Co.

NOTASTANE, lubricant, Keystone Lubricating

NO-THREAD, compression fittings, Dresser Mfg. Div., Dresser Industries, Inc.

Wing Froducts
NEVA-SLIP, pants clip, Gibraltar Products Co.
NEVASLIP, ironer roll coverings, Toptex Corp.
NEVASTANE, lubricant, Keystone Lubricating

NOTRUX, mechanical loading and unloading extractor, American Laundry Machinery Co.
NOVADINE, cleaner sanitizer, Cowies Chemical NOVA-TEX, dry sizing, National Cleaners Chemical Mfg. Co. NO-VENT, boiler return system, David Stout & NOWASTE, marking tags, preprinted, Stry-Len-NOWASTE, marking tags, preprinted, Suy-Learkoff Co.

NOXOIL, non-ionic penetrant and emulsifier, Speedlite Chemicals Co., Div. Patek & Co.

NOXOIL, penetrant and soil suspending agent, Patek & Co.

"N" SILJCATE, rust preventative, Philadelphia Quartz Co.

NU-BRITE, drycleaner, Nu-Horizon System

NUCHLOR, volatile spotter, Nu-Pro Mfg, Co.

NUCLOR, bleach, H. Kohnstamm & Co., Inc.

NU-COAT, glove and leather finish, National Cleaners Chemical Mfg, Co.

NU-DIL, leather dys, Nu-Pro Mfg, Co.

NU-DIL, tool steel, Crucible Steel Co. of America NU-DRY, irons, New York Fressing Machinery Corp. Corp. NU-FLO, laundry sour, Johnson Chemical Indusries, Inc.

NU-FLUO, aumary sour, Johnson Chemical Industries, Inc.

NU-FLUO EXTRA, sour for high bicarbonate water, Johnson Chemical Industries, Inc.

NU-GLO, shampoo, Nu-Horizon System

NU-HIDE, teather cleaner and conditioner, Signal Chemical Mfg. Co., Inc.

NU-LITE 700, charge soap, D. W. Davies & Co.

NU-LUS, dry size, Nu-Fro Mfg. Co.

NUMATIC, air pressing, drycleaning, New York Pressing Machinery Corp.

NUMERE ITE, hand numbering machine, American Numbering Machine Co. number in Machine Co.

NUMBER 5, 11, 33, blues, Lewis National Corp.

NUMBER 4, blue, stripper, Lewis National Corp.

NUMBER 44, blue, Minnesota Chemical Co.

NUMBER 996, industrial textile detergent, H.

Kohnstamm & Co., Inc.

NUMBER 209, general formula, R. R. Street &

Co. Inc. Co., Inc.
NU-NAP, rug cleaner, Certified Chemical &
Equipment Co. Equipment Co.

NU-NAP PROCESS, shine removal service, Best-way Shine Removal Co., Inc.

NUODEX 87, mildew preventative, Nuodex Products Co., Inc.

NU-PAL, lint remover, Perma Products Co.

NU-PRO, ink and stain remover stick, Nu-Pro Mig.Co.
Mig.Co uartz Co. SO, detergent, Nu-Pro Mfg. Co. SOL, soap builders, Thompson-Hayward NU-SOL, NU-SO, detergent, Nu-Fro Mrg. Thompson-Hayward Chemical Co.
NUSOLVO, spotting agent. Nu-Fro Mfg. Co.
NUSUEDE, suede leather finishes, Eaton Chemical & Dyestuff Co.
NU-TEX, drycleaning soap, Nu-Pro Mfg. Co.
NU-TEX-TIZE, drycleaning detergent, Nu-Life Mfg. Co. NUTRA SUDS, neutral soap flakes, E. F. Drew & Co., Inc.
NUTROL, synthetic wetcleaner, Keystone Aniline & Chemicals Co., Inc.
NUTRONAP, sour, E. F. Drew & Co., Inc.
NUTRING, floor trucks, casters, wheels, Nutting
Truck & Caster Co.
NU-WAY, liquid filter soap, Davies-Young Soap
Co. NU-WAY TAILORS, conversions, suit-coat, Nu Way Tailors
NU-WEIGH, hanging clothes scale, Newhouse
Specialty Co., Inc.
NU-WOOD, insulation board, Wood Conversion Co.
NYCCO, moth preventatives, Nycco Products Co.
NYCCO, prepared fur dyes, Nycco Products Co.
NYLCOT, laundry nets, Southern Mills, Inc.
NYLEON, nylon covers and cloth, G. S. Robins & Co.
NYLO, filter and laundry bags, press covers and cloth. X. S. Smith, Inc.
NYLO-DUK, extractor nylon duck lifting slings, F. H. Bonn Co.
NYLO-FOAM, dry cleaners press covering kit, F. H. Bonn Co. NYLONET, knitted nylon laundry nets, Nylonet Corp.
NYLONETS. nylon laundry nets, X. S. Smith, Inc.
NYLOPRESS, synthetic fiber felt press pads, Amer-NYLOPRESS, synthetic fiber felt press pads, American Felt Co.

NYLOTEX, nylon press covers, X. S. Smith, Inc.

NYLSEW, nylon sewing thread, Heminway & Bartlett Mfg. Co.

NYLTOP, laundry felt, Toptex Corp.

NYRACORD, shadow tone nylon reinforced runee matting, American Mat Corp.

NYTEX, nylon press padding and covers, R. Lally Co.

O & S, fuel burning systems, Orr & Sembower, Inc.

O.G.P., oil, grease and paint remover, Eaton Chemical & Dyestuff Co.

O-S, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.

O.&W., specialty compound, laundry sours and blue, Diamond Alkali Co.

AKUTE detergents Oakite Products, Inc. blue, Diamond Alkali Co.

OAKITE, detergents, Oakite Products, Inc.

OAKITE COMPOUND NO. 32, scale and rust remover, Oakite Products, Inc.
OAKITE PENETRANT, detergent, Oakite Products, inc.

OAKVILLE, wire staples, Oakville Co. Div., Scoville Mfg. Co.

OASIS, drinking water cooler, Ebco Mfg. Co.

OBARK, leather belting, waterproof leather belting, Charlotte Leather Belting Co.

OCCO, extractor baskets, Ohio Centrifugals Co.

OCTA-CLENE, rug cleanser, Moore's Time-Saving Equipment, Inc.

OCTAGON, soap, Colgate-Palmolive Co.

ODEX, deodorizer, Stamford Chemical Co.

ODIS, instantaneous and water storage heaters, ODEX, deodorizer, Stamford Chemical Co.
ODIS, instantaneous and water storage heaters,
Old Dominion from & Steel Corp.
ODO-STICK, garment odor remover in stick form,
Nu-Pro Mig. Co.
OFELDT, boiler, Mears-Kane-Ofeldt, Inc.
OILITE, self-lubricating bearings, machine parts,
Amplex Div., Chrysler Corp.
OIL-MIST, automatic lubricating systems, Alemite
Div., Stewart-Warner Corp.
OIL-RITE, lubricating equipment, Oil-Rite Corp.
O.K. CORN STARCH, corn starch, Hubinger Co.
OLATE, FLAKES, low-titer neutral soap, Procter
& Gamble Distributing Co.
OLAIN, cellophane, Olin Cellophane Div., Ecusta
Paper Corp. Paper Corp.
OLIVE C, soap, Stadham Co., Inc.
OLIVESCO, built soap for cold water, Cowles mical Co. Chemical Co.
OLIVILO, toilet soaps, Allen B. Wrisley Co.
OLSENMARK, marking inks, marking machinery,
stamping presses, OlsenMark Corp.
OLSON, automatic laundry washers, Olson Industries, Inc.
OLSON, pressure filters, solvent stills, Olson Filtration Engineers, Div. American Laundry Machinery Co.
OLSON KURB SIDE, aluminum package delivery body, J. B. E. Olson Corp.
OMNI-SOUR, laundry sour, Carlton Chemical Co., Inc.
ONDAL, oxidizing agent, E. I. du Pont de Nemours & Co., Inc.
ONE-HUNDRED, synthetic solvent drycleaning unit, Columbia Appliance Corp.
ONE-LAY, shirt finishing machine, J. W. Steele ONE-SHOT, writing ink remover, Eaton Chemi-ONE-SHOT, writing ink remover, Eaton Chemical & Dyestuff Co.
ONE-SPOT, scrle, Toledo Scale Co.
132-LINEN, starch. A. E. Staley Mig. Co.
1-2-3, paint oil, grease remover, general spotting agent, Signal Chemical Mig. Co., Inc.
120, trolleys-monorail, Chisholm-Moore Hoist Div., Columbus McKinnon Corp.
\$1000.00 GUARANTEED, insecticides, B. Heller CON-THE-SPOT, synthetic drycleaning equipment, A. B. Temple Co OPALOID, buttons, Stadham Co., Inc. OPENETS, laundry nets and fabrics, Davis Mills OPERATIVE TI-ME-TER, time signals, visual, audible equipment control, Bildwell Mirs.
OPTO-MATIC, constant level oilers, Trico Fuse Mig. Co. ORIGA-FAB, sport shart sizing, Harris Bros. Mfg. Co., Inc.
ORIOLE, apron duck and cover cloth fabrics,
Mount Vernon Mills, Inc.
ORR, wool padding, Orr Felt & Blanket Co.
ORTHOBRITE, laundry detergent and soap builder, Diamond Alkali Co.
ORTHON, mild laundry builder, Speedlite Chemicals Co., Dv. Patek & Co.
ORVUS AB GRANULES, powdered neutral synthetic detergent, Procter & Gamble Distributing
Co. Distributing Co.
ORVUS K LIQUID, neutral paste and liquid synthetic detergents, Procter & Gamble Distribut-

CO.

ORVUS EXTRA GRANULES, complete synthetic detergent, Procter & Gamble Distributing Co.

ORVUS HYTEMP GRANULES, built high temperature synthetic detergent, Procter & Gamble Distribution Co.

ing Co.
ORVUS W. A. PASTE, wetcleaning detergent,
Procter & Gamble Distributing Co.
O SILICATE, concrete hardener, Philadelphia

Ouartz Co.
OSOMOMETER, odor measurement device or apparatus, Odor Instruments, Inc.
OSPECO, concentrated drycleaning soap, Oil States Petroleum Co., Inc.
OTIS, baggers, plastic, shirt and sweaters, Otis OUTSERTS, package insert, Allied Printing & Stationery Co., Inc.

Stationery Co., Inc.
OXALATE-A, rust removing sours, Keever Starch
Co., Keever Beach Div.
OXONE, monopersulfate compound, E. I. Du Pont
de Nemours & Co., Inc.
OZITE, insulation, laundry felt, American Hair &
Felt Co. OZONITE, built soap, Procter & Gamble Distrib-uting Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 262.

PATEXPAC, printed garment bags, shirt enve-lopes, Patek & Co. lopes, Patek & Co.
PATINEX, upholstery shampoo, cleaning compound, Mortemoth Chemical Laboratories
PATINEX FURLIFE, fur shampoo, cleaning compound, Mortemoth Chemical Laboratories
PATRICK, steam iron, Lawrence M, Stein Co.
PATRICL, watchmen's clocks, Detex Watchelock

PB, laundry marking tags, Boston Clip & Tag Co. PDO, multi-stop delivery trucks, White Motor Co., PDO, multi-stop delivery trucks, White Motor Co., P.D.Q., wetcleaning detergent, Nu-Fro Mfg. Co. P.F.S., paste filter soap, Nu-Fro Mfg. Co. P.I.U., variable speed changers, Link-Belt Co. P.K., hot water heater, boiler return systems, condensate coolers, Patterson-Kelley Co., Ic. P.M., built soap, Thompson-Hayward Chemical Co. C.O.
C.O.
P.M.D., moth repellent, Dixo Co.
P.O. silicate of soda, Philadelphia Quartz Co.
P.H., volatile dry solvent, Caled Products Co., Inc.
P.W. soap builder, New South Mfg. Co., Inc.
PAASCHE, airbrushes, air painting equipment,
Paasche Airbrush Co.
PACE, chlorinated solvent soap, Caled Products
Co., Inc. Co., Inc.

Co., Inc.

Co., Inc.

Co., Inc.

Caled Products Co., Inc.

Caled Products Co., Inc.

CACE-PERK, drycleaning soap for perchlorethylene only, Caled Products Co., Inc.

PACER, synthetic drycleaning unit, Pan-Tex Mfg. Corp.
PACIFIC, borax and sodium sesquicarbonate,
Columbia-Southern Chemical Co.
PACIFIC, pumps, Pacific Pumping Co.
PACKAGE-MASTER, laundry bundle conveyor, Railex Corp.
PACKER, tape and label moisteners, Better Packages, Inc.
PACKLESS, flexible hose, couplings, Packless Metal Hose, Inc.
PACKOMATIC BOILERS, boilers and return systems, New York Pressing Machinery Corp.
PACO, turbine type for boiler feed, Pacific Pump-PAINT-I-CATER, paint remover, W. F. Johnson Products Co.
PAINT-SOLV, paint remover, Huntington Laboratories, Inc.
PAISLEY, general line adhesives, Paisley Products, Inc.
PAK-AGE-KART, packaged work transporter,
Bishop Freeman Co.
PAK-ALL TWINS, polyethylene bag makers, Pak-All Corp.

PAK-RITE, plastic garment bags, cedarized and plain combination bags for shirts, ties, gloves, sweaters, hats, etc., Pak-Rite Flexible Packaging PAK-TITE, compound, American District Steam PAK-TITE, compound, American District Steam Co., Inc.
PAK-U-VEYOR, call office conveyors, laundry bundles, White Machine Co., Inc.
PAL, collector cart, soiled linen or laundry cart, Paul O, Young Co.
PALMOIL, soap, Rome Soap Mfg. Co.
PALMOIL, soap, Rome Soap Mfg. Co.
PALMOILYE, soap, Colgate-Palmoilve Co.
PALMOY, soap, Central Soap Co.
PALMYAR, soap, Central Soap Co.
PALMYAR, soap, Central Soap Co.
PALMYAR, Soap, Central Soap Co.
PANAREX, Colgate-Palmoilve Co.
PANTEX, Colgate-Palmoilve Co.
PANTEX, drycleaning and laundry machinery, Pantex Mfg. Corp.
PANTS HORSE, trouser rack, R. B. Smith Co.
PAPER-VULE, garment bags, Container-board & Kraft Paper Div., Continental Can Co.
PARACOIL, water heaters, Davis Engineering Corp. Corp.

PARACENE, reducing color remover, Eaton Chemical & Dyestuff Co.

PAROGON, gas engine lubricators, Lunkenheimer PARALATE, complete detergent, Diamond Alkali Co.

PARALATE-S, laundry detergent and soap builder, Diamond Alkali Co.

PARAMOUNT, garment, trouser bags, hanger covers, Mutual Paper Box Co., Inc.

PARAMOUNT, evaporative coolers, Essick Mfg. PARA-SEAL, hanger cover, Para-Lux Products PARAZOLE, spot remover, Eaton Chemical & Dyestuff Co.

PARIS, steam-air garment finisher, Garment Finishing Equipment Corp.

PARIS, ONVERTIBLE, steam-air finishers, Garment Finishing Equipment Corp.

PARIS MASTER FINISHER, steam-air garment finisher, Garment Finishing Equipment Corp.

PARKER, industrial boilers, Sid E. Parker Boiler

Mig. Co.

Mig. Co. P.A. V. Steam fortune counters rectable Mig. Co.
PARK'N CLEAN, store fixtures, counters, portable trailers, Park'N Clean, Inc.
PARMELEE, wrench, Walworth Co.
PAROL, special alkali compounds, Speare Co.
PAS-TIES, collar & cuff fasteners, hanger ties, Plas-Ties Co.
PATCH MASTER, repair cloth kits, R. D. Bussard

O.I.C., all types valves, Ohio Injector Co. O.T., laundry-drycleaning extractors, American Cleaners Equipment Co., Div. American Laundry Machinery Co.

PATCH-O-MATIC, heat-seal patching machine, Textile Marking Machine Co., Inc. PATEXOL, oil, paint and grease remover, Patek

PATTERSON-KELLEY, condensers, coolers, Patterson-Kelley Co., Inc.
PAY-TEK, concentrated anhydrous emulsifier, Pa-PAYTEXOL, oil, paint and grease remover, Patek

CO. CONCENTRATE, strong soap carrier, Hunt-ington Laboratories, Inc.

PC 450, neutral vegetable potash soap, E, F, Drew PC 450, neutral vegetable potassi sosp, ac & Co., Inc., ac Co., Inc., peaBoDV, gas, oil, coal burners, air heaters, PeaBoDV Engineering Corp.
PEAK-TEMP, hot oil heater, high temperature, Cleaver-Brooks Co.
PEARL, built soap, flake and granulated, Colgate-Palmolius Co.

Cleaver-Brooks Co.
PEARL, built soap, flake and granulated, Colgate-Palmolive Co.
Watton Standard Co.
PEELCOTE, protective coating for metal parts, watton Standard Co.
PEERLESS, thit soap-syndet, Swift & Co., General Soap District Commence of the Commenc

cals Corp.

cals Corp.

PENETEX, detergent, Stadham Co., Inc.

PENETRO, marking ink, National Marking Ma-PENETROIL, grease solvent, H. Kohnstamm & Co., Inc.
PENETRON, water conditioner for tape, Better
Packages, Inc.
PENETRONE, starch, H. Kohnstamm & Co., Inc.

PENLO, engine subricator, Lunkenheimer Co. PENNANT, drycleaning soap, Davies-Young Soap

PENN DRAKE WASHOIL, oil treatment of linens, Pennsylvania Refining Co. PENN-SIZE, sizing agent, Pennsalt Chemicals

PENNSTARCH, dry-to-the-wheel starch, Pennsalt

Chemicals Corp.

PENNSYLVANIA, tires, tubes, batteries, Pennsylvania Rubber Co.

PENOZONE, liquid hydrogen peroxide type bleach, Pennsalt Chemicals Corp.

Diesen, Feinsan Chemicals Corp.
PENPRIM, sixing, water repellent, Pennsalt Chemicals Corp.
PENSAL, break builder and detergent, Pennsalt Chemicals Corp. PENSAL-B, break powder, Pennsalt Chemicals

PENSAL-M, mild laundry detergent, Pennsalt Chemicals Corp.

PENSAL-O, heavy-duty laundry detergent, Pennsalt Chemicals Corp.

PENSAL-W, heavy duty laundry detergent, Pennsalt Chemicals Corp.
PENSO, spotting agent, A. L. Wilson Chemical

PENSUDS PLUS, wetcleaning detergent, Pennsalt Chemicals Corp.

Chemicals Corp.

PEN-TRATE, spotting agent, Kennedy Products

Co.
PENTROX, detergent, Pennsalt Chemicals Corp.
P.E.P. by COOK, plumbing, electrical, drain for automatic and coin operated washers, central utility system, Cook Machinery Co., Inc.
PEPO, prespotter. Stadham Co., Inc.
PEPPERMINT STICK, neutral detergent for wet spotting and wet cleaning with additive to eliminate odor problems, Anscott Dry Cleaning Froducts, Inc.
PEPSOL developing filter seen A. F. Wolks, Co.

PEPSOL, drycleaning filter soap, A. F. Wolke Co. PER, automatic drycleaning unit, Vic Manufactur-ing Co.

ing Co.

PERCHLOR, perchlorethylene, Columbia-Southern Chemical Corp.

PERCHLOR 600, drycleaning unit, Manitowoe Engineering Corp.

PERCHLORON, bleach, Pennsalt Chemicals Corp.

PER-CLAIMER, filter sludge cooker and solvent reclaimer, Per Corporation

PER-CLEER, solvent still, Per Corporation

PERCLEER, drycleaning solvent, perchlorethylene

PERCLEER, solvent still, Per Corporation
PERCLENE, drycleaning solvent, perchlorethylene,
E. I. du Pont de Nemours & Co., Inc.
PERCLOR-SAVER, drycleaning tumbler and solvent reclaimer, American Cleaners Equipment
Co., Div., American Laundry Machinery Co.
PER-COOLER, solvent temperature conditioner,
Per Corporation
PERDOX, sodium perborate monohydrate, E. I. du
Pont de Nemours & Co., Inc.

PERFECTA, steam and air spotting gun, Florian

PERFECTION, reducing valves, American Dis-trict Steam Co., Inc.

PERFECTION FLAKES AND GRANULATED, neutral soap, Keever Starch Co., Keever Beach

PERFECTO, synthetic powder, National Cleaners Chemical Mfg. Co. PERFEX, controls and regulators, gauges, Perfex Corp. PER 50, synthetic cleaning unit, Mercury Cleaning Systems, Inc.
PERFEX, press pads, Resillo Press Pad Co.
PERFLEX, bronze flexible metal hose, Perfecting
Service Co.

PERFUMED STARCH, starch, Gilcor Mfg. Co., Inc.
PERK, for all synthetic drycleaning, Stauffer
Chemical Co.
PERKLOB, synthetic solvents, Dow Chemical Co.
PERK-O-MATIC, synthetic solvent drycleaning
units, Pantex Mfg. Corp.
PERK-O-MISER, synthetic recovery tumbler, Panter Mfg. Corp.

tex Mfg. Corp.
PERK-SAVER, solvent recovery unit, Pantex Mfg.

Corp. PERK-SHEEN, new charge soap for synthetic systems, Adeo, Inc.
PERK-X-TRACTOR, sludge cooker, Pantex Mfg. PERLITE, alkali soap builder, H. Kohnstamm &

Co., Inc.
PERMAC BOEWE, drycleaning machinery, Amer-PERMAC BOEWE, drycleaning machinery, American Permac, Inc.
PERM-A-CLOR, trichlorethylene, Detrex Chemical Industries, Inc.
PERMAFIBER MARKING TAG STOCK, fiber material for manufacturing laundry and drycleaning identification tags, Permañber Corp.
PERMA-FLOW, drycleaning detergent, Edlemuth Mig Chemists.

Mig. Chemists
PERMA-FOLD, replacement collars and cuffs,
Zuckerberg Co.
PERMAGLAS, hot water storage tanks, A. O. PERM-A-KLEEN, perchlorethylene, Detrex Chem-

ical Industries, Inc.
PERMA KLEER 80, chemical water conditioner,
Refined Products Corp.
PERMA-MARKER, marking kit, Wm. J. Nicholson PERMA - NET - MARKERS, identification tags, Speare Co. PERMA-NETS, rubber washing nets, Speare Co. PERMA PADS, press and flatwork ironer padding,

R. Lally Co. PERMAPROOF, flameproofing agent, B. F. Good-PERM-A-TEX, zylon press covers, X. S. Smith,

PERMATIZED, marking tags and tape, indelible marking ink, Wm. J. Nicholson Laboratories PERMO, flameproofing, mothproofing agent, Per-Mo Products Co.
PERMOBOND, rubber-lined tanks, pipe and pipe fittings, U. S. Rubber Co.
PERMOPAD. pads for handkerchief ironer, Resillo Press Pad Co.
PERMOTEX, nylon press covers, X. S. Smith, Inc.

Inc.
PERMUTIT, water softeners, filters, Permutit Co.
PERMUTIT Q, ion exchanger, water conditioner,

PERMUIII Q., 101 exchanges, water Permuiit Co. PerRONE, hydrogen peroxide, E. I. du Pont de Nemours & Co., Inc. PER SEC, stabilized perchlorethylene, Frontier Chemical Co., Div. Vulcan Materials Co. PERSONALIZED, garment bags, Rassenfoss Bag Co. Inc.

Co., Inc. PERSPIR-X, perspiration remover, Paper Chem-

reals inc.

PER STREAMLINER COMBO, filter, cooker, still, Per Corp.

PETAL SMOOTH, starch, Clinton Foods Inc.

PETRO 30, petroleum drucleaning unit, Mercury Cleaning Systems, Inc.

PETRO-JEL, 100% petroleum base combination of parafin and froner oil, Victor Zooz Chemical Co.

PETRO-MATIC, petroleum filter cleaner, and sola-

Co.
PETRO-MATIC, petroleum filter cleaner and solvent reclaimer, Master Mfg. Co.
PETROTHENE, polyethylene resins, U. S. Industrial Chemicals Co., Div. National Distillers & Chemical Corp.
PETRYN, oil, paint and grease remover, Patek &

PFAFF, sewing machines, Pfaff Sewing Machine Sales Co. Sales Co.
PHENOLITE, ironer pad & cover assembly, Gibraltar Fabrics, Inc.
PHENOLITE, non-ionic synthetic soap, New South Mfg. Co., Inc.
PHILABELT PRESERVATIVE, belt dressing,

Philadelphia Belting Co.
PHILCO-BENDIX COMMERCIAL, automatic
washers, Philco Corp., Commercial Laundry PHOENIXCAPES, hanger shields, Phoenix Products Co. PHOENIX "SELF STICK," shirt bands, Phoenix

PHOENIX "SELF STICK," shirt bands, Phoenix Products Co.
PHOSRITE, soap regenerator and water softener, Keever Starch Co., Keever Beach Div.
PHOTOSWITCH, timers, pilots, relays, controls,

Photoswitch, Inc., Photoswitch, Inc., Photoswitch, Inc.
PHOTRONIC, photoelectric cell, Weston Electrical Instrument Corp.
pH-PLUS, water softener, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
PIAZZA, conversion unit, synthetic drycleaning systems, Piazza Engineering Co.

PICK, water heaters, Pick Mfg. Co. PICRIN, volatile spotting spotter, R. R. Street &

Co., inc.
Co., inc.
PIECE SYSTEM, preprinted tags (piece assembly),
Liberty Marking Tag Co., inc.
PIECE PADS, tags, Stry-Lenkoff Co.
PIEDMONT, leather belting, waterproof leather
belting, Charlotte Leather Belting Co.
PIKE GARMENTS, shirt rental, Pike Garments,

inc.

PIK-UP, vacuum cleaners, Certified Chemical & Equipment Co.

PILE BRUSH, rug cleaning machine, Certified Chemical & Equipment Co.

PILGRIM, press cloth, Thomaston Mills

PIL-O-BAR, pillow cleaning, fluffing and deodorizing, Fluff 'N Puff Pillow Service of America

PILOT, non-waterproof belt cement, Webb Belting & Supply Co.

PILOTRON, air-operated pilot, Bailey Meter Co.

PINESOL, pine oil break solution, Patek & Co.

PINLUB, wetcleaning soap, Package Chemical

Co, Jac.

PIN-O-TEX, pine oil detergent, Slater-Robbins Co., Inc.
PIOLET, buttons, Piolet Button & Novelty Corp.
PIONEER, nylon laundry nets, Benwall Mfg. Co.,

Inc.
PIONEER, oil cups, Lunkenheimer Co.
PIONEER, wrapping twine, cable cord, Thomaston Mills
PISTON-RING, expansion joint, American District
Steam Co., Inc.
PITTCHLOR, calcium hypochlorite, ColumbiaSouthern Chemical Corp.
PITTSBURGH, paints, Pittsburgh Plate Glass Co., Paint Div.
PITTSBURGH, wire garment hangers, Pittsburgh

Hanger Co.

Fixall., iint remover, John E. Coolidge Co.

Fixall., iint remover, John E. Coolidge Co.

Fix Scaleffree 230, gas fixed storage water
heater, Fatterson Kelley Co., Inc.

PLANER BRAND, leather belting, Philadelphia Belting Co.
PLASTIC INSULATION, insulating cement, Mexico Refractories Co.
PLASTIC QUIK-PACH, plastic firebrick, A. P.
Creen Fire Brick Co.

Gren Fire Brick Co.
PLASTIC SPOTTING BOTTLE, spotting bottles,
Warco Laboratories, Inc.
Warco Laboratories, Inc.
PLASTIC-VU, plastic shirt bag, Time Savers, Inc.
PLASTIE-1, hanger ties and marking flags, Plas-

Ties Co.

PLASTOMETER, continuous consistency controller, Fischer & Porter Co.

PLASTYLIN, nylon laundry nets, Carson Textile Co.
PLEASANT ODOR, fur cleaning fluid, Bernard
Sirotta Co.
PLEX, digester, Patek & Co.
PLEXTON, reinforced plastic trucks, G. B. Lewis

Co.
PLEZURE, a concentrated spotting soap, Caled Products Co., Inc.
PLIOFILM, bags for shirts, garments, blankets, etc., Clear-View Packaging Co.
PLIOJET, smoke eliminators, Plibrico Co.
PLUS, spotter (wet or dry), Adeo, Inc.
PLY-O-FAB, leather-like fabric softener, Dixo Co.,

PNEUMATIC BAGGER, bagging of garments, Detrex Chemical Industries, Inc. POCKETEERS, pocket forms, Leef Bros., Inc. POINT-OF-USE, insulated equipment, Remington Rand, Inc. POLAR BEAR, fur cleaning compound, Walter

Haertel Co.

POLAR BLEACH WATER, sodium hypochlororite, or bleach water, Polar Chemicals, Inc.

POLAR BREZ, air conditioning units, air washers, air exhausters, Air Cooling Engineering Co.

POLAR BREZZ, sir conditioning solution for synthetic pile and fur coats, Walter Haertel Co.

POLARIZED, wholesale fur cleaning and storage, Walter Haertel Co.

POLAR PRECLEANER, pile coat spotter, Walter Haertel Haertel Co.

POLAR PRECLEARIER, pile coas sports,
Haertel Co.
POLAR SHEEN, man made fur cleaner and finisher. Walter Haertel Co.
POLARSUDZ, cold-water built soap, Keever
Starch Co., Keever Beach Div.
POLARTONE, laundry sour, G. S. Robins & Co.
POLI-MIT, for cleaning press heads, Keever Starch
Co., Keever Beach Div.
POLO, alkaline conditioner, Procter & Gamble
Distributing Co.
POLYMARK, marking mschines, Pinnacle Products Corp.

ucts Corp.
POLY PACKER, polyethylene packaging machine,
Mercury Cleaning Systems, Inc.
POLY-V, """ belt drives, Revolite Div., Raybestos-Manhattan, Inc. POLY-VU, shirt and sweater bags, Time Savers,

POMONA, turbine pumps, Fairbanks Morse & Co. PONCHO, wet water repellent, Patek & Co. PONTAMINE, developers, E. I. du Pont de Ne-mours & Co., Inc.

mours & Co., Inc.

POOR PETER PILLOW, complete pillow cleaning service, R. Lally Co.

POPKINS, store fixtures, Popkins Fixture Co.

PORTA-PAK, autographic register, Egry Register

PORTMAR, boiler and water heaters, Portmar Water Heater Co., Inc.

PORTO-FAB, prefabricated buildings, Porto-Fab Co., Inc.
PORTOSPEED, upholstery cleaning machines,
Certified Chemical & Equipment Co.
POSTAGE-METER, postage meter tape, Gummed
Tape & Devices Co.
POW, drycleaning soap, Keystone Aniline &
Chamical Co. Inc. Chemical Co., Inc.
POWDER DISPENSER, filter powder dispenser, POWDER DISPENSER, filter powder dispenser, Powder Dispenser Co.
POWER CHARGE, strong drycleaning soap, Bends Products, Inc.
POWER CIRCLE, presses, Prosperity Co., Div., Ward Industries Corp.
POWER-FLEX, underfeed stokers, Link-Belt Co.
POWER-FLOW, roof ventilator, DeBothezat Fans Div., American Machine & Metals, Inc.
POWER-GIANTS, motor trucks, Dodge Div., Chrysler Corp. Chrysler Corp. POWERMASTER, steam generator, Orr & Sem-POWERMASTER, stacker, Lewis-Shepard Prod-POWERMATIC, polyethylene bag maker, Pak-All Corp.
POWERMATIC "50," 50 lb, washer-extractor,
Laundry Equipment & Engineering Co.
POWER-PAK, drycleaning detergent, Pennsalt
Chemicals Corp.
POWER-PAK, packaged automatic boilers, Orr &
Combourer, Line

POWER-PAK, packaged automatic boilers, Orr & Sembower, Inc.
POWER-BAMIC, shirt units, laundry and drycleaning, wearing apparel, linen supply, wash pants units and washer-extractors, The Prosperity Co.
POWERSON, fire-fighting nozzles, American-La France-Foamite Corp.
POWER-VEYOR, permanently mounted horizontal belt conveyor, Rapid-Standard Co., Inc.
POW PLUS, dry powdered soap, Keystone Aniline & Chemical Co., Inc.
POWR PLUS, air-operated laundry presses, Pantex Mig. Corp.
PRATT & CADY, brass and iron valves, Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.

PRE CLEEN, ammoniated prespotter, Benda Products, Inc.
PREEN, drycleaning brightener, Tower Chemicals, PREGEST, prespotter, Wallerstein Co., Div. Bax-

ter Laboratories, Inc.

PRE-KRETE, tank lining special formula cement
lining, Patterson-Kelley Co., Inc.

PRE-MARKED STRIP TAG, solvent- and waterproof marking tags, Pre-Marked Strip Tag Co.

PREMIER, gas engine lubricators, Lunkenheimer

PREMIER, nylon knitted laundry nets, Fablok

PREMIER, nylon knitted laundry nets, Fables Mills, Inc.

PREMIUM DARCO, activated carbon, Darco Dept., Atlas Powder Co.

PRE-Oll-BREAK, oil, grease, tar stain remover, wet and dry, Warco Laboratories, Inc.

PREFCO, antiseptic soap, Lincoln Research, Inc.

PRESEI, a type of free-vane air-operated controller, Bristol Co.

PRESCHP, self sealing adhesive for shirt bands, Adhesive Products Corp.

PRES-GRIP, shaping and finishing wetcleaned and dyed garments, Pres-Grip Corp.

PRESMOR, nylon press covers, Tingue, Brown & Co.

PRESMOR, nylon press covers, Tingue, Brown & Co.

October Co.

PRESQ, heavy prespotter, G & G Chemical Co.

PRESPOTTER, heavy-duty prespotter, Galed Products Co., Inc.

PRESPOTTER S, prespotter, Patek & Co.

PRESPOTTER S, prespotter, Nu-Pro Mfg. Co.

PRESPOTTER S, prespotter, Nu-Pro Mfg. Co.

PRESPOTTER S, prespotter for heavy soil, Lustrol Drycleaning Products, Div. Patek & Co.

PRESS CLEANER, cleaner for sleeves and presses, Johnson Chemical Industries, Inc.

PRESS MASTER, electric steam generator, Automatic Steam Products Corp.

PRESSMATE, flexible connectors for hand steam irons, Anaconda Metal Hose Div., Anaconda American Brass Co.

PRESS' STIK, truck or window poster, Capitol Poster Service

Poster Service
PRESSTITE, steam hose for laundry and drycleaning presses, Anaconda Metal Hose Div., Anaconda American Brass Co.
PRESSTITE-T, flexible steam connectors of Tefion for laundry and garment pressing machines, Anaconda Metal Hose Div., Anaconda American

Brass Co.

PRESTEX ASBESTALL COVERS, press cover for drycleaning presses, bag and padding for pants toppers, Arrow Mfg. Co.

PRESTEX GOLDEN NYLON COVERS, covers for drycleaning presses, Arrow Mfg. Co.

PRESTO, self-sealing paper bands, Nashua Corp.

PREST-O CLEANER, press-head cleaner, Stadham Co. Inc.

ham Co., Inc.

PRESTOPRESS, air-operated drycleaning presses,
Goldman Pressing Machine Corp.

PRIDE, batch detergent, Lustrol Drycleaning
Products, Div. Patek & Co.

PRIDE, washing powder, Swift & Co.

PRIMA BRAND, leather belting, Philadelphia
Balting Co.

PRIMA BRAND, Belting Co. E. Belting PRIME SOHP, complete soap for hot water washing, Keever Starch Co., Keever Beach Div.

PRIMS COVER A BUTTON, cover buttons and buckles, William Prym, Inc.
PRINTWEIGH, weight printing scales, Toledo

Scales Co.

PROCTOR & SCHWARTZ, automatic shampooing and drying systems for rugs, Proctor & Schwartz, Inc.
PRODUCTIMETERS, counting machines, Durant

PRODUCTO, timer, American Laundry Machin-PROFESSIONAL PORTABLE CLEANING UNIT, upholstery shampooing machine, Multi-Clean

PROFESSIONAL FURTHER BY A PROPERTY SAMPOOING MACHINE, MULTI-Clean Products, Inc.
PROFINE PASTE, fatty ester base fabric finish. Procter & Camble Distributing Co.
PROGRESS, packaged boilers, Cleaver-Brooks Co.
PRO LAUN, professional laundry, Professional Laundries Shirt Plan
PROLYTE, enzymic digester, Allen & Vickers, Inc.

PROLYTE, enzymic digester, Allen & Teasury Inc.
PROMATIC, electronic and synchronous motor timers, General Control Co.
PROOF, emulsion type batch soap, Lustrol Drycleaning Products, Div. Patek & Co.
PROSPERITY 55, complete line of laundry and drycleaning equipment, Prosperity Co., Div., Ward Industries Corp.
PROSPERITY, spron duck and cover cloth fabrics, Mount Vernon Mills, Inc.
PROSPERITY, Lautomatic washer controls, Prosperity Co., Div., Ward Industries Corp.
PROTECTO, laundry identification systems, American Laundry Machinery Co.
PROTECTO, colored fabric pick-up bags, F. H. Bonn Co.

PROTECTOGRAPH, checkwriters, check signers,

Todd Co., Inc.

PROTECTOR-PAK, tapered party dress plastic bags, The Louis Miller Co.

PRO-TEK, protective hand cream, E. I. du Pont de Nemours & Co., Inc.

PROTEEN, protein stain remover, Stamford Chemical Co.

ical Co.
PROTEX, toilet soap, Iowa Soap Co.
PROTEX, toilet soap, Iowa Soap Co.
PROXOT-N, modified fatty ester base fabric
finish, Procter & Gamble Distributing Co.
PRYM, snap fasteners, William Prym, Inc.
PRYM'S ARISTOCRAT, brass pins and safety pins,
Www. Prym. Inc.

PRYM'S ARISTOCRAT, brass pins and safety pins, Wm. Prym, Inc.
PRYM'S SUPER STEEL SONOMOR, pins, safety pins, staples, William Prym, Inc.
PSC UNIVERSAL AIR, air control equipment, Perfecting Service Co.
P22, hand stapler, Arrow Fastener Co.
PUF-FINISHER, puffers, steam puff irons, Bishop David Freeman Co.
PULVOAX, powdered wax, Lewis National Corp.
PURATIZE, mildewproofing, Aqua-Sec Corp.
PURE-TEX, laundry bactericide, Cidex & Corp.
PURGE-O-SOL, drycleaning soap, G & G Chemical Co.

PURGE-O-SOL, drycleaning soap, G & G Chemical Co.
PURGO, soap builder, Minnesota Chemical Co.
PURGO, soap builder, Minnesota Chemical Co.
PURITAN, straight pins, map fasteners, Oakville
Co., Div., Scoville Mig. Co.
PURITAN, press cloth, Thomaston Mills
PURITAN, press cloth, Thomaston Mills
PURITAN, penetrant, Olin Mathieson Chemical
Corp., Industrial Chemicals Div.
PURITAN GASKA SEALS, hardening and nonhardening types to repair gaskets, Olin Mathieson Chemical Corp., Industrial Chemicals Div.
PURITY, soap flakes, soap, Iowa Soap Co.
PURITY, soap flakes, soap, Iowa Soap Co.
PURITY, sour, Thompson-Hayward Chemical Co.
PURITY, sour, Thompson-Hayward Chemical Co.
PURITY, sour, Thompson-Hayward Chemical Co.
PURITY post part of the property of the purchase of

Pure Oil Co.
PUROLENE, lubricating oils, Pure Oil Co.
PUR-O-SAN, drycleaning soap, Huntington Lab-PUR-U-SAN, drycleaning soap, Huntington Laboratories, Inc.
PURPLE EDGE, padding, Egan Cotton Mills
PUR-WAX, powdered wax, H. Lally Co.
PUSHOMATIC, couplings, Perfecting Service Co.
PYRAMID, laundry nets, R. Lally Co.
PYRAMID, laundry nets, R. Lally Co.
PYRATEX, paint, oil, grease remover, R. R. Street
& Co., Inc.
PYRO, juid soap, National Cleaners Chemical
Mig. Co.
PYRO, surface thermometer, Pyrometer Instrument Co., Inc.

PYROJ, surface thermometer, Pyrometer Instru-ment Co., Inc.
PYROFLEX, acid and alkali resisting paints, Mau-rice A. Knight
PYRON, press covers, Southern Mills, Inc.
PYRO-SOAP, wetcleaning soap, National Cleaners Chemical Mfg. Co.
PYROTON, resistance thermometer, Bailey Meter

Q

O-D, spotting agent, A. L. Wilson Chemical Co. & S, counter rack, Ink-O-Products Co. Q-T, heat recirculators, Kisco Boiler & Engineering Co. Q-CHROMASTIC, veneer coating for furnace walls, Quigley Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 262.

Q-CHROME, refractory material, Quigley Co., Inc.
QUADRA-CLENE, rug-washing machine, Moore's
Time-Saving Equipment, Inc.
QUADRAFOS, water conditioner, detergent, dispersing agent, Rumford Chemical Works
QUAKER BLUE, laundry blue, Pennsalt Chemi-

QUAKER BLUE, launary blue, Fennsat Chemicals Corp.
QUAKER, improved, chlorinated lime, bleach,
Pennsalt Chemicals Corp.
QUALITEX, press covers, puff iron covers, sponge
pads, tumbler pads, press cloths, extractor
covers, filter bags, double-face flannel, Quality
Products Co.
QUALITEX SUN GLOW, pad and cover, Quality
Products Co.
QUALITY, net pins, Key-Tag Checking System
Co.

Co.
QUEEN, wire hangers, Vail Mfg. Co.
QUEEN CITY, boilers, tanks and preheaters,
Queen City Engineering Co., Inc.
QUEEN TRANSPARENT, combination bags, plastic, Queen Transparent Specialties
QUICKBAGGER, poly bag maker, Keyes-Davis
Co.

Co.
QUICK AID, linen fire hose, fire extinguishers,
General Detroit Corp.
QUICK ARROW, lightly built, tallow and cold
soap flake, Swift & Co., General Soap Dept.
QUICK ELASTIC, liquid and powdered starch,
Habingar Co.

Hubinger Co. Outcome and products, Inc. OUICKLIFT, trucks, Lewis-Shepard Products, Inc. OUICK-O-MATIC, machine dishwash compound, Colgate-Palmolive Co. QUICK WAY, press head cleaner, Aurora Míg.

Corp.
Corp.
OUIGLEY, fire brick, Quigley Co., Inc.
OUIGLEY, fire brick, Coffman Mfg. Corp.
OUIK-CUT, wrapping table, Coffman Mfg. Corp.
OUIK-EEX, thermostatic trap, V. D. Anderson
Co., Div. International Basic Economy Corp.
OUIK-LOK, shirt boxes and collar supports, Century Paper Products
OUIK-PAC, laundry packaging supplies, Quik Pac
Div. H. Wesley Hutchins Co.
OUIK-PACH, fire brick, A. P. Green Fire Brick
Co.

QUIKTAG, laundry marking tag, Boston Clip & Tag Co.
QUILLON, chrome complex, E. I. du Pont de
Nemours & Co., Inc.
QUINCY, air compressors and vacuum pumps,
Quincy Compressor Co.
QWIK-GO, blood and albuminous stain remover,
A. L. Wilson Chemical Co,

R.C.C., rug cleaning and finishing compound, soaps, Lewis National Corp.
R.C.U., rug and upholstery soap, Keystone Aniline & Chemical Co., Inc.
R.G.F., stain remover, Riverside Mfg. Co.
R.LD, leather dressing, Riverside Mfg. Co.
R.M., asbestos products, packing friction materials and rubber products, Revolite Div., Raybestos—Manhattan, Inc.
R. C. COMPOUND, shop towel and overall

R-M, asbestos products, packing friction materials and rubber products, Revolite Div., Raybestos-Manhattan, Inc.
R & O COMPOUND, shop towel and overall washing compound, Speedlite Chemicals Co., Div. Patek & Co.
ROH, hycar belling, Victor Balata & Textile Belting Co.
RP, high pressure boiler, Titusville Iron Works Co., Div. Struthers Wells Corp.
RP&C, valves, Reading-Frast & Cady Div. American Chain & Cable Co., Inc.
RSR, digestive spotting agent, Wallerstein Co., Div. Baxter Laboratories, Inc.
R-x, olly type paint remover, Caled Products Co., Inc.

RACK N' ROLL, polyethylene dispenser, Techni-

cal Tape Corp.
RAILEX, conveyors & speed rails, racks, Railex Corp.
RAINBOW, laundry powdered soap (built), Empire Soap Co., Ltd.
RAINBOW, plastic garment hangers, Henry Hanger Co. of America
RAINBOW, spotting pencils, Eaton Chemical & Dyestuff Co.

Dyestuff Co.

RAINCOTE-SC, water repellent, solvent soluble,
Signal Chemical Mfg. Co., Inc.

RAINCOTE-WET, water repellent, water soluble,
Signal Chemical Mfg. Co., Inc.

RAK-GUIDE, rack index for separating garments
alphabetically, Para-Lux Products Co.

RAM, drycleaming soap, Adco, Inc.

RAMPELLENT, water repellent, Perm-Aseptic
Coro.

Corp.

RAMSEY, chain drive, chain drive sprockets, shaft couplings, Ramsey Chain Co., Inc.

RAMTITE, plastic refractory, Ramtite Co., Div. S. Obermayer Co.

RANAREX, combustion recorder, Permutit Co.

RANDE, metal press pads, Bergen Machine & Tool Co., Inc., Rande Unit Springs Div.

RAPID FOWER BOOSTER, portable power belt conveyor, Rapids-Standard Co., Inc.

RAPID ROLLER, conveyor, Rapids-Standard Co., Inc.

RAPID-WHEEL, conveyor, Rapids-Standard Co.,

Inc.
RAPISTAN TABLE-VEYOR, belt conveyor to facilitate general handling of laundry bundles, Rapids-Standard Co., Inc.
RAY, oil and gas burners, pumps, Ray Oil Burner

Có.
RAY-BAR, clear exterior wood finish that resists rays of sun, The Peters Co., Div. Toledo Paint & Chemical Co.
RAYLENE, sour, Wyandotte Chemicals Corp.,
J. B. Ford Div.
RAYS, tape, Speare Box Co., Inc.
RAYS KRAFT, packaging supplies, Speare Box
Co. Inc.

Co., Inc. RAYTEX, 27/92 powder soap, John T. Stanley

Co., Inc.

READY-PACK, cast split repair sleeves, Dresser
Mfg. Div., Dresser Industries, Inc.

RECEIV-O-MARKER, identification systems, Best

RE-CIRK-IT, circuit breakers, Heinemann Electric

RECLAMITE, stain remover, H. Kohnstamm & Co., inc.

RECORDAK, accounting machines and systems, record systems, Recordak Corp.

REC-TONE-C, drycleaning detergent, Riverside

Mfg. Co.
RED ARROW, feed ribbon, Southern Mills, Inc.
RED CHIEF, rubber belting, Webb Belting &

Supply Co.
REDDYGO, lipstick stain remover, A. L. Wilson
Chemical Co.

Chemical Co.

RED EDGE, pads and padding for flatwork ironers and press machines, Knitted Padding Co.

RED FLASH, water heaters, Pick Mfg. Co.

RED & GREEN LINE, laundry fabrics, Hettrick

Mig. Co. REDI-COUNT ROLLS, identification system,

REDI-COUNT ROLLS, identification system, Pittsburgh Tag Co.
REDI-CUT, flannel press pads, F. H. Bonn Co, REDI-ITT, trucks, Lewis-Shepard Products, Inc. REDI-MARK, strip tags, Pittsburgh Tag Co.
REDI-TAG, pre-printed marking tag, Larton Products Co., Inc.
REDI LABEL FLAKES, neutral soap, Keever Starch Co., Keever Beach Div.
RED LABEL POWDER, neutral soap, Keever Starch Co., Keever Beach Div.
RED LINE, flatwork ironer aprons, Pittsburgh Waterproof Co.
RED-LINE, garment drier, Hopkins Equipment Co.

RED LINE, greases, oils, lubricants, Union Oil Co.

of California RED MARK PRESS PADS, press top pad, White-

house Nylon Products

REDOTEX, neutral red oil flakes and powder,
Allen B. Wrisley Co.

RED STAR, diapers, towels and toweling, George
Wood Sons & Co.

RED STAR, feed ribbons, New York Belting &
Parking Co.

Packing Co. REDUCTORS, speed reducers, Boston Gear Works, Inc.
REDUX, indelible ink remover, Boston Clip &

Tag Co.

RED-WHITE-BLUE, matched pants and shirts for rental uniforms, Shreveport Garment Mfg. Co.

REE-DRAPE, dry sizing and finishing compound, drycleaning, Riverside Mfg. Co.

REESCO, powdered laundry soap, Minnesota Chemical Co., Inc.

REE-TONE-C, drycleaning detergent, Riverside Mfg. Co.

Mig. Co. REEVES ARMY TWILL, uniform cloth, Reeves Brothers, Inc.
REFINITE, zeolite water softeners, Elgin Softener

REFLEX, ironer pads and covers, Gibraltar Fab-

rics, Inc.

REFLEXIT, replasticizer, Patek & Co.

REGAL, engines, Ames Iron Works

REGAL, neutral synthetic detergent, Armour &
Co., Industrial Soap Dept.

REGISTERED SHIRTS, men's shirt for sale plan,

REGULAR DRI SHEEN, detergent for charged

system, Adeo, Inc.
REGULARS, tags, Stry-Lenkoff Co.
REGULARS, tags, Stry-Lenkoff Co.
REGULARS, togs, Trust removing sours, Keever
Starch Co., Keever Beach Div.
REINTJES, dependable arches, suspended walls,
Geo. P. Reintjes Co.

REKAB, powdered soap, soap chips, Minnesota Chemical Co.

Chemical Co.

RELIABLE, fur cleaning, glazing and fur storage equipment, Reliable Machine Works, Inc.

RELIABLE, orlon-dynel cleaning supplies and cleaning machines and finishing equipment, Reliable Mackine Works, Inc.

RELIANCE, a.c. and d.c. motors, motor genera-tors, Reliable Electric & Engineering Co. RE-LOGIC, powdered soap, Minnesota Chemical

Co.

REMA "DRI-VACS," air vacuum systems for garment presses, Rema Corp.

REMINGTON, electric typewriters, accounting and calculating machines and other office equipment and supplies, Remington Rand, Inc. REMO, cover-cloth fasteners, rack clips, net and marking pins, trays, safety and steel pins, over-all tags, sorting racks, Risdon Mig. Co.

REMOVE-OIL, oil stain remover, Nu-Horizon System

RENARDS', leather cleaning and dyeing. Renards'

RENEWO, angle, check and globe valves, Lunken-

heuner Co.

RENEX, detergents, Atlas Powder Co.

RENEX, detergents, Atlas Powder Co.

RENUT Dotah saponified resin and fatty acids,

Armour & Co., Industrial Soap Div.

RE-NU-IT, solvent pump, Vikung Pump Co.

RENUTEX-SIZE, garment finishing agent, Marclene Chemical Corp.

REU, motor trucks, Reo Motors, Inc.

REP-100, water repellent, R. R. Street & Co., Inc.

REP-LEX, water repellent, Starr Chemical Co.,

Inc.

Inc.

REPEL-O-MOTH TANK, mothproofing equipment, Repel-O-Products Div., North American Merchandising Co.

REPUBLIC, controls, instruments, Republic Flow

RE-PURGO, powdered soap, Minnesota Chemical

Co. RESEARCH, leather belting, Graton & Knight Co. RESEARCH, zeolite, Research Products Corp. RESILLO, press pads, Resillo Press Pad Co. RESIN FELT, nylon press pad, Gibraltar Fabrics,

RESINFLEECE, nylon flannel and felts, Gibraltar

Fabrics, Inc.
RESINTEX 100, nylon press cloths and press
covers, Gibraltar Fabrics, Inc.
RESISTAG, label attaching heat set machine, National Marking Machine Co.
RESISTI-CAL, dry-side water repellent, Caled
Product Co., Inc.

Products Co., Inc.
RESIZET, sizing, R. R. Street & Co., Inc.
RESIZET, sizing, R. R. Street & Co., Inc.
RESIABS POWDER BLEACH, fine fabric bleach,
RESIN, zeolite, Hungerford & Terry, Inc.
RESTORTEX, liquid sizing, National Cleaners
Chemical Mig. Co.
RESYN ADHESIVES, glues, gums, sizings,
starches, National Starch Products, Inc.
RETRON, laundry flatwork ironer, American
Laundry Machinery Co.
REVERE, copper and brass, Revere Copper &
Brass, Inc.

Brass, Inc.

REVERE, foot-operated drycleaning press, American Cleaners Equipment Co., Div. American Laundry Machinery Co.

REVERE SHOWMASTER, floodlights and lighting equipment, Revere Electric Mfg. Co.

RE-VI, water repellents, Davies-Young Soap Co.

REVOLITE, asbestos flatwork ironer covers, pads, roll covers, Revolite Div., Raybestos-Manhattan, Inc.

REVOLON, asbestos and dacron padding for flat-work ironers, Revolite Div., Raybestos-Manhat-

tan, Inc.

REVOMESH, metal press pads, Revolite Div.,
Raybestos-Manhattan, Inc.

REVOTAPE, feed, return, folding ribbons and
ironer tape, Revolite Div., Raytestos-Manhattan,

Inc.

REX, soluble liquid drycleaning soap, DaviesYoung Soap Co.

REX, tool steels, Crucible Steel Co. of America

REXAIR, vacuum cleaner, Prosperity Co., Div.,

Ward Industries Corp.

REXALLOY, cast tool bits, Crucible Steel Co. of

America, metal hose, Flexonics Corp.

REX-FILEX, metal hose, Flexonics Corp.

Flexonics Corp.

FEX-TUBE, flexible metal hose, Flexonics Corp.

REX-WELD, drill steel, Crucible Steel Co. of

America REX-WELD, metal flexible hose, tubing, Flexnetal flexible hose, tubing, Flex-onics Corp.

REZ, synthetic solvent conditioner, L. A. Salomon & Bros., Inc.

REZ, charged soap solvent conditioner, U. S. Min-ing Corn.

ing Corp.
REZEX, resinous zeolite, Elgin Softener Corp.
REZISTAL, stainless steel, Crucible Steel Co. of

America REZONE, resinous zeolite, Elgin Softener Corp. R-51, drycleaning unit, Shields Engineering & Mfg. Co.
R-51A, drycleaning unit, Shields Engineering & Mfg. Co.

Mfg. Co.
R. H. CONTROL, electronic drycleaning relative humidity control, Adrian Research & Chemical

RHINAMEL, heavy duty enamel, Tropical Paint & Oil Co.

RHINO, nylon laundry net, Carson Textile Co.

RH. H. P. CASCADE, laundry washer with removable horizontal partitions, American Laundry

Machinery Co.
RIBBON DELUXE, cotton ribbon, Milwaukee
Printed String Co.

RIBBON RITE, ribbonized marking machine, Tex-tile Marking Machine Co., Inc. RIBNET, nylon laundry net, Carson Textile Co.

RICE'S, paint products, Barreled Sunlight Paint

Co.
RIDDAX, special alkali compound, Wyandotte
Chemicals Corp., J. B. Ford Div.
RIMACO, size, stripper, wetcleaning soap, Riverside Mig. Co.
RIMACO GENERAL FORMULA, ink and stain

remover, Riverside Mfg. Co.
RINFORS DC, detergent, drycleaning, charge type, Sandoz Chemical Works, Inc.

RINFORS S, paint and grease remover, Sandoz Chemical Works, Inc. RINK-L-FREE, garment distributor, Time Savers,

RINSOMATIC, laundry washer control, American Laundry Machinery Co.

RINSPEED, built soap for automatic laundries, Keever Starch Co., Keever Beach Div.

RINTEX, soap and alkali compound, Wyandotte Chemicals Corp., J. B. Ford Div.

RINZAID, rinse promoter, Speedlite Chemicals Co., Div. Patck & Co.

RISDON, button pins, neet pins, marking pins, straight pins, Risdon Mig. Co.

RISOGRAN, powdered soap, Allen B. Wrisley Co.

RITESIEE, dry to the wheel linen sizing, Speed-lite Chemicals Co., Div. Patck & Co.

RITETEMP, solvent cooler, pleat holder, Rite-Temp Mfg. Co.

RIVERSIDE LEATHER SOAP, wet spotter, carpet shampoo, stripper, Riverside Mfg. Co.

ROADOL L, paint, oil and grease remover, Package Chemical Co., Inc.

ROADOL L, wet spotter, Package Chemical Co., Inc.

ROBERTS, numbering machine. Roberts Number-

Inc.

ROBERTS, numbering machine, Roberts Numbering Machine Co.

ROBERTS, press boards, Roberts Mfg. Co.

ROBINETS, laundry nets, G. S. Robins & Co.

ROBINS, acetic sour, G. S. Robins & Co.

ROBINS, acetic sour, G. S. Robins & Co.

ROBOT, self-contained automatic washers, Robot

Laundry Machinery Sales, Div. Wolf Co.

ROBOT-MASTER, automatic conveyors, Railex

Corp.

Corp.

ROCAL, germicide, Sterwin Chemicals, Inc.

ROCKET-PER, synthetic solvent drycleaning unit,

Vic Manufacturing Co.

ROCKWEAVE, laundry textiles, aprons, cover and
filter cloth, double-face flamel laundry nets and

wrapping twine, Callaway Mills, Inc.

RO-FLO, air compressors, vacuum pumps, Allis
Chalmers Mig. Co.

ROK-RIB, nylon laundry nets, Whitehouse Nylon

Products

Products ROLA-RUG, rug rolling and packaging machines, Lincoln Products, Inc. ROLL-A-TAPE, marking tape, Liberty Marking

Tag Co., Inc.
ROLLERVEYOR, roller, conveyor, Mechanical
Handling System, Inc.
ROLL FIXE, sours, H. Kohnstamm & Co., Inc.
ROLL-ON-SEAL, gummed tape dispensers, Roll-

non-Sealt, gummed tape dispensers, non-on-Sealer Co.

ROLL-OVER, barrel and drum cradles (15 to 55 gal. drums), Paul O. Young Co.

RONAFLEX, elastic synthetic tubing with woven metal wire cover, Ronaflex Tubing Co., Inc.

RONNINGEN, quick coupling fluid filters, manual and automatic, Ronningen-Petter Co.

RO-NOR, stain remover, H. Kohnstamm & Co., Inc.

ROOFKOTER, roof material, Tropical Paint & ROOT BAGGER, garment bagger, Huebsch Origi-

nators
ROSS, solvent coolers, heat exchangers, Ross Heat
Exchange Div.
ROSWELL, woven nylon laundry nets, Southern Mills. Inc.
ROTAIRE, continuous conditioning tumbler and laundry flatwork, American Laundry Machinery

ROTARY, soot blower, Marion Machinery Foundry & Supply Co. dry & Supply Co.
ROTARY UNION, revolving steam joint, Perfect-

ROTARY UNION, revolving steam joint, Pertecting Service Co.
ROTAX, soap-base produce for launderettes, Wyandotte Chemicals Corp., J. B. Ford Div.
ROTAY, condensation meters, American District Steam Co., Inc.
ROTEX, drycleaning extractor, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ROTH, boiler feed units, pumps, Roy E. Roth Co.
ROTH, boiler feed units, pumps, Roy E. Roth Co.
ROTH, boiler feed units, pumps, Roy E. Roth Co.
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ROTH, boiler feed units, pumps, Roy E. Roth Co.

shampoo machine, Certified Chemical & Equipment Co.
ROTO-KING, pumps, Viking Pump Co.
ROTO-MATIC, rotating laundry process units,
Unipress Co., Inc.
ROTO-SCREEN. waste water screening device,
Patterson-Kelley Co., Inc.
ROTO-SORTER, Kleen-Hamper, Inc.
ROUND "R." steel boiler, coal, oil, gas stoker,
Kewanee Boiler Corp.
ROUND THE BUTTON, shirt-ironing press pads,
Restille Co.

Resillo Co. ROYAL, brass safety pins, Riadon Mfg. Co. ROYAL, brass safety pins, Riadon Mfg. Co. ROYAL, medium titer, coco-tallow chip, neutral scap, Armour & Co., Industrial Scap Div. ROYAL, rubber hose, rubber belting, U. S. Rubber

ROYAL CALENDER, cylinder type flatwork ironer, American Laundry Machinery Co., ROYAL FLASH, match book, Universal Match

ROYAL OAK, leather belting, Webb Belting & ROYAL PINE, soaps, Iowa Soap Co.
ROYAL WORCESTER, lace leather, Graton &

Knight Co. RP NO, 757, stain remover, H. Kohnstamm & Co., Inc.
RUBA-WEEV, rubber runner matting, American
Floor Products Co.

RUBBERALL, basket liners, shirt bags, aprons, Toptex Corp.
RUBBER BASE, primer sealer, Tropical Paint & Oil Co.
RUBBER CITY, roofing materials, Rubber City

RUBEROID, built-up roofing materials, Ruberoid

RUBINOFF, tags, certificates, guarantees and supplies, M. Rubinoff, Inc. RUG BRITE, rug fibre brightener, Ultra White Co. RUGGLO, rug cleaning soap, Merson Products Co. RUG-IT L. rug cleaning detergents, Certified Chemical & Equipment Co. RUG-O, rug and carpet soap, Davies-Young Scap

RUG RITE, sour, Coastal Chemical Corp.
RUG SHAMPOO, rug and upholstery cleaning
soap, Caled Products Co., Inc.
RUSCO, belts, beltings and webbing, Russell Mig.

RUSCO INSTANT TANNIN FORMULA, after spotter for perspiration, urine, perfume, etc., Russell Products
RUSKO, synthetic compound to replace scap, Wyandotte Chemicals Corp., J. B. Ford Div. RUSO, fuel oil treatment, National Chemical Sales

Co., Inc.
RUST BAR, paint, rust preventative, Midland Paint & Varnish Co.
RUST-E-LIM, rust remover, Johnson Chemical Industries, Inc.
RUST-E-LS, sour, Hood Chemical Co., Inc., Crescent

RUSTEZE, rust solvent, Hood Chemical Co., Inc.,

Crescent Div.
RUSTFIXE, sour, H. Kohnstamm & Co., Inc.
RUST-GO, rust remover, A. L. Wilson Chemical

Co.
RUST REMOVER, removes metallic stains, Lustrol Drycleaning Products, Div. Patek & Co.
RUSTICK, rust remover, National Cleaners Chemical Mfg. Co.
RUSTICON SS, rust preventative, Philadelphia RUSTIKOTE, rust preventative, Tropical Paint &

Oil Co. RUSTYRASE, rust remover, Hachik Bleach Co.

S-A, anti-sulfuric-acid valves, Lunkenheimer Co. S.C.A., water conditioners, mechanical; water filters, water softening equipment and water treatment equipment, Softener Corp. of America ment equipment, Softener Corp. of America S.E.B., wetcleaning soap, E. F. Drew & Co., Inc. S.L.S., roofing, Barrett Div., Allied Chemical

S.L.S., roofing, Barrett Div., Allied Chemical Corp.

SMC, anti static agent and textile softener, Teb Research & Development Co.,

SOH, low-pressure boiler, Titusville Iron Works
Co., Div. Struther Wells Corp.
SP, high-pressure boiler, Titusville Iron Works
Co., Div. Struther Wells Corp.
SM, spotter for brown and yellow stains, Caled Froducts Co., Inc.
SSS. annydrous silicate builder, Fatek & Co.
SSS, prespotter, Stamford Chemical Co.
SABIN, glove cleaning machines, Sabin Machine

SACCO-MATIC, coat pressing machine, Hoffman International, Inc.

SACO, speed reducers, Stephens-Adamson Mfg.

SACON, belt conveyor carriers, Stephens-Adamson
Mfg. Co.

SACON, water soluble size, Wallerstein Co.,
Div., Batter Laboratories, Inc.

SAFE-DRY BLEACH, organic bleach, Johnson
Chemical Industries, Inc.

SAFE-COLARD, fuel off heater, Alstrom Corp.

SAFE KUTTERS, cord knife, Time Savers, Inc.

SAFE-TIE ANCHORS, refractory anchors, Ramtile Co.

hite Co.

SAFE-T-BLEACH, organic chlorine bleach, Speedlite Chemicals Co., Div. Patek & Co.

SAFE-T-CHLOR, dry bleach for laundry, Port Huron Detergent Co., Inc.

SAFE-TO-ALL, spotting solvent, Warco Laboratories, Inc.

SAFE-T-SOL, dry oil, paint and grease remover,

Patek & Co. SAFETY, diapers, Sani-Top Co. SAFETY FUR VAULT FUMIGANT, fur fumigant. Huntington Laboratories, Inc.
SAFETY LINEN SOUR, sour, Diamond Alkali Co.
SAFETY-LOCK, nylon laundry net, Gibraltar

SAFETY SPIRAL, safety guards, Phil Rich Fan Mig. Co., Inc. SAFEX, single-bath 140° F. petroleum solvent drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery

Co.
SAFEX TRUCLEEN, petroleum solvent dryclean-ing unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co., SAF-T-BAK, non skid rug backing, Testworth Products Corn.

Products Corp.

SAF-T-MARK, marking tags, Stry-Lenkoff Co.
SAFTAG. tagstock. Stry-Lenkoff Co.
SAGER SPREADERS, abeet spreaders, Batwork,
M. A. Pocock

SAHARA, waterproofing repellent, Anscott Dry Cleaning Froducts, Inc. SAK-Rak, bag holder, pre-marking containers, cloth bags, Sak-Rak Co., SALVE-O-LIN, skin salve, Keystone Aniline & Chemical Co., Inc.

SAMOSET, soap, Lewis National Corp.
SAMSON, packing, U. S. Rubber Co.
SAMSONMITE, filter bags, feather bags, extractor
covers, soap whips, starch whips, tumbler pads,
Manitowoc Cotton Goods Mig. Co.
SANA-FILTER, low-pressure, filter-type soap,
Huntington Laboratories, Inc.
SAND-SIZE, sizing, Huntington Laboratories, Inc.
SANDOFIX WE, fixing agent (dyes), Sandoz
Chemical Works, Inc.
SANDOLIX O, leather softener, Sandoz Chemical
Works Inc.

SANDOLIX O, leather softener, Sandor Chemical Works, Inc.

8ANDOPAN DTC, detergent, special wet cleaning, Sandor Chemical Works, Inc.

8ANEX, dry, neutral mothproofing agent for use in the wheel, Signal Chemical Offic, Co., Inc.

8ANICO, drycleaning soap, Dello Products Co.

5ANI-DET, santitizers, Coastal Chemical Corp.

8ANI-DUST CONTROL, germicidal dust control, Tell, Industries Inc.

Talb Industries, Inc. SANI-MATIC, brush-spotting machi SANIMASTER, water heaters, Ruud Mfg. Co.

SANI-SOUR, antiseptic, all-purpose sour, Keever Starch Co., Keever Beach Div. SANITEX, baskets, trucks, bags, C. R. Daniels,

Inc.

SANITONE, drycleaning process, Emery Industries, inc., Sanitone Div.

SANITONE "D," prespotter, Emery Industries, Inc., Sanitone Div.

SANITONE 870, solvent conditioner, Emery Industries, inc., Sanitone Div.

SANITONE MC, mothproofing compound, Emery Industries, Inc., Sanitone Div.

SANITONE SR. smoke remover, Emery Industries, Inc., Sanitone Div.

SANITONE SR. Soft SET, wool finishing oil, Emery Industries, Inc., Sanitone Div.

Emery Industries, Inc., Sanitone Div.

Emery Industries, Inc., Sanitone Div. SANITONE SS STYLE SET, silk size, Emery In-

ANITONE WR, water repellent, Emery Industries, Inc., Sanitone Div.

SANITONE WR, water repellent, Emery Industries, Inc., Sanitone Div. tries, Inc., Sanitone Div.

SANI TOP, diaper cans, diaper pails, deodorants,
Sani-Type, heat reclaimer, Patterson-Kelley Co.,

Inc.
SANI-WHITE, bleach, C. S. Robins & Co.
SANKO, soaps, H. Kohnstamm & Co. Inc.
SAPOTEX, soap compound, G. S. Robins & Co.
SAPPHIRE, stripper and stain remover, Lewis
National Co.
SARATOGA CHIPS, neutral soap, Procter &
Gamble Distributing Co.

SARCO, steam traps, temperature regulators, Sarco

SARCOCIDE, sour. Slater-Robbins Co., Inc. SARCO-CONCENTRATE, paint and grease remover. Slater-Robbins Co., Inc. SARCOFPN, radiation baseboard and fin-type,

SARCOFIN, radiation baseboard and fin-type, Sarco Co., Inc. SARCOFLOW, balancing fittings, Sarco Co., Inc. SARCO-MIST, moth spray, Slater-Robbins Co., SARCOSTAT, motor-operated valve, Sarco Co.,

SARCO-SOL, paint and grease remover, Slater-Robbins Co., Inc., SARCO-TEX, wetcleaning detergent, Slater-Rob-bins Co., Inc.

bins Co., Inc.

SARCOTHERM, weather compensated controls,
Sarco Co., Inc.

SATINE, powder and flakes, soap, John T. Stanley

Co., Inc., sarries, sarries, wheat and pre-sartinette, non-congealing wheat and pre-cooked instant starch, Keever Starch Co., Keever SAV-A-LOAD, duck fabric extractor covers, F. H.

SAVE-O-SOLV, solvent recovery tumbler, Huebsch Originators SAVO, 40/92% powder soap, John T. Stanley Co.,

SAVONOL, wet spotter, Patek & Co. SAVOY, zippers and zipper parts, B, & G, Lieber-

SAVOY, zippers and zipper parts, B, & G, Lieberman Co. Inc.
SA. W. TAGS, piece-control marking tags,
T. TAGS, piece-control marking tags,
T. TAGS, piece-control marking tags,
T. TAGS, piece-control marking tags,
SAXMAYER, tying machine, National Bundle
T. Ver Co.
SAYVE, prebuilt commercial building for drycleaning and laundry feeder plants, for coin operated laundries, Savve Corp. of America.
SAYVE "DRIVE-AROUND DRAWER." drawer
assembly for servicing customers in automobiles,
Sayve Corp. of America
SCALE-I-CATER, boiler compound, W. F. Johnson Products Co.
SCALINA, phosphate boiler compound, Rathbun
Co.

SCAT, blood remover, Delio Products Co. SCHAUB, boiler feed and condensation return systems, Fred H. Schaub Engineering Co. SCHAUB HEAT RECLAIM SYSTEM, return sys-

tem providing maximum temperature of boiler feeder without live steam addition, Fred H. Schaub Engineering Co.

SCHAUB "RE-HEET" SYSTEM, return systems, Fred H. Schaub Engineering Co.

SCHAUB "QUICK-TEMP," heating system, Fred H. Schaub Engineering Co.

SCHAUB "ZERO-OXYGEN" deaerating system, Fred H. Schaub Engineering Co. SCHRAMM, air compressors, Schramm, Inc.

SCIENTIFIC, boiler water treatment, Scientific Boiler Water Conditioning Co.

SCOT, shirt packers, MacDonald Services
SCOTCH BRAND, tapes for the cleaning industry,
Minnesota Mining & Mig. Co.
SCOTCH GARD, stain repellent chemical treatments, Minnesota Mining & Mig. Co.
SCOTCH-KNIT, sylon laundry net, Gibraltar Fabrics, nor

SCOTSMAN, washers, Ayr-Mor Machinery Co.,

Inc.
SCOTTIE, IR., high-pressure riveted boilers, Kewanee Boiler Corp.
SCRAM BLOOD, blood remover and wet spotter,
Warco Laboratories, Inc.
SCRUB-O-MATIC, garment scrubber, Hopkins
Equipment Co. Equipment Co.

SD-130, drycleaning tumbler, Hoyt Mig. Corp.
SEABLUE, blue, Speare Co.

SII-130, dryciesining timotest, 11071 sais. Cotp. SEABLUE, blue, Speare Co. SEAF FOAM, soap powder, Colgate-Palmolive Co. SEA FOAM, soap powder, totally enclosed fan-cooled motors, Crocker-Wheeler Electric Mig. Co., Div. Joahua Hendy Iron Works. SEAL MASTER, ball bearings, Stephens-Adamson

SEAL SILICATE, silicate adhesive, Philadelphia SEALTITE, flexible, liquid-tight electrical wiring conduit, Anaconda Metal Hose Div., Anaconda

dispenser, Steiner Co.

SEATHCLOVER DISPENSER, toilet seat cover dispenser, Steiner Co.

SEATLESS, blow-off valves, Yarnall-Waring Co.

SE.B. CONCENTRATED, silk and wool soap, E. F. Drew & Co., Inc.

SEC, combination washer extractors, solvent coolfilters, press, solvent recovery units, Sec-O-

Matic Corp.
SEC-CLEANIZED, drycleaning process, Sec-O-Matic Corp. SECCO, dry water repellent, Patek & Co. SECTOFOG, moth protection by fogging, Fumol

Corp.
SECURITY, cover cloth fasteners, racks, clips, Risdon Mfg. Co.
SEE-SAFE, plastic storage and blanket bags, Mehl Mfg. Co.
SELECTA-SPOT KIT, foolproof method spotting kit, Caled Products Co., Inc.
SELECTRO, laundry washer control, American Laundry Machinery Co.

SELF CLEANING FILTER, for synthetic solvent 1500 to 5000 G.P.H., Vic Mfg. Co. SELF-SEAL, adhesive shirt bands, National Paper

pand U.O.
SELF SERVICE ASSEMBLY, F. W. I. padding (nylon & cotton), Gibraltar Fabrica, Inc. SELF-STICK, shirt bands, Phoenix Products Co. SELLERS, steam boilers, open return systems,

Scales Engineering Co.
SeMi-SLIP-ON laundry and drycleaning press machine covers, F. H. Bong Co.
SENECA, starch, H. Kohnstamm & Co., Inc., SENIOR. lubricators. Lunkenheimer Co.
SENIOR COLLECTOR CART, sluminum or steel solied linen or laundry cart, Paul O. Young Co.
SENSIMATIC, accounting machines, Burroughs Adding Machine Co.
SENSIMATICA starch water circulating pumps, Rund Mig. Co.
SENSITEMP, bot water circulating pumps, Rund SENSITEMP, poly water circulating pumps, Rund SENSITEMP,

SENSITROL, relay, Weston Electrical Instrument

Scorp.
SENTREX, laundry washer control, American
Laundry Machinery Co.
SENTRY, 24 hour dial watchman's clock, Lathem
Time Recorder Co.
SEPARIN 2610, chemical water conditioners, Dow Chemical Co.

SEQUESTRENE, water softener, Alrose Chemical Co., Div. Geigy Chemical Corp. SENTINEL, oil cup, Lunkenheimer Co. SEPTO-SOUR, sour, Diamond Alkali Co. SERDEX, gauges, solvent humidity control, Serdex & Co.
SERL, rug and upholstery detergent, Tower Chemical

icale Inc.

SERVIS RECORDER, time and truck recorders,
Service Recorder Co.

SESOUILATE, laundry detergent and soap builder. Diamond Alkali Co.
SETLOW, uniforms and work clothing, M. Setlow
& Sons, Inc.

C. develaging resease Programity Co. Div. Ward

or Sons, Inc. 7C, drycleaning presses, Prosperity Co., Div. Ward Industries, Inc.
"7/11" CLOTH, laundry flatwork ironer cloth, R.
Lally Co.

Lally Co.
770, spray-dried to homogeneous free-flowing beads. Lever Brothers Co.
1707, blue, H. Kohnstamm & Co., Inc.
175° COLLECTOR CART, cart for soiled linen or laundry cart. Paul O. Young Co.
127, curtain and blanket weteleaning product for wheel washing, Caled Products Co., Inc.
122, rug and carpet soap, Caled Products Co., Inc.
SHAMROCK, canvas haskets, hampers, trucks, plastic washroom trucks, Meese, Inc.
SHAMROCK, F. W. I. apron duck, R. Lally Co.
SHAMROCK, auto-veyor, Automatic Specialties, Inc.

SHAMROCK COMBI-VEYOR, combination shirt and drycleaning conveyor, Automatic Specialties,

SHAMROCK LAUNDRI-VEYOR, call office laundry conveyor, Automatic Specialties, Inc. SHAMROCK SHIRT-VEYOR, call office shirt conveyor, Automatic Specialties, Inc.
SHAW, collar edger, Reed Mig. Co.
SHEDITE, waterproof belt cement, I. B. Williams

& Sons SHEEN, sizing, Patek & Co.

SHELBY, tubing, National Tube Co.
SHELL-SOL 14, 140 flash solvent, Shell Oil Co.
SHELL-SOL 105, naphtha, petroleum solvent,
Shell Oil Co.
SHELL-SOL 36, stoddard solvent, Shell Oil Co.
SHELL-SOL, 360 SOLVENT, stoddard solvent,
Shell Oil Co.
SHELL-WAX, fully refined paraffin wax, Shell Oil
Co. SHELV-I-CART, laundry cart with shelves for clean tinea, Paul O. Young Co. SHENE, floor wax, Comcord Chemical Co., Inc. SHERWIN-WILLIAMS, paints, varnishes, enam-

SHEWIN-VILLIAMS, paints, varnishes, enamels, lacquers for maintenance purposes, Sherwin-SHIELDS, drycleaning units, reclaimers, tubular filters, Shields Engineering & Mig. Co.
SHINE BRIGHT, liquid scrubbing soap, Hild Floor Machine Co., Inc.
"SHIPPER," two-wheel hand truck, Paul O. drycleaning units, reclaimers, tubular

Young Co.
SHIPSAFE, bags, Lanning Bag & Specialty Co.
SHIPSAFE, bags, Lanning Bag & Specialty Co.
SHIBLAN, textile fungicides, E. 1. du Font de
Nemours & Co., Inc. SHIRTAINER, shirt packaging, Loroco Industries,

SHIRT BIN, for conveying shirts, J. W. Steele &

CO.

SHIRT CHUTE, metal chute for shirt handling, Rosenthal Mfg. Co.

Rosenthal Mfg. Co.

SHIRT-X, stain removers, Russell Products

SHIRT-MASTER, shirt conveyor, Railex Corp.

SHIRT PAX, combination shirt board, collar support and box, printed, Package Masters, Inc.

SHIRT "QUICK PACK," shirt bag, paper, Gaylord Container, Div. Crown Zellerbach Corp.

SHIRTRANSPORT, shirt transporter, Bishop Freeman Co. Freeman Co. SHIRT-U-VEYOR, call office conveyor, White

Machine Co., Inc. SHIRT VALET, men's shirts, Shirt Valet Rental Plan, Inc. SHIRT-V-LOPE, printed cellophane shirt bag,

Lee Converters, Inc.
SHIRT WHITE, shirt whitener with anti-chlor,
Ultra White Co., Inc.

Ultra White Co., Inc.
SHOO, oder destroyer, Caled Products Co., Inc.
SHOOKS, same as trouser anchors for sweaters,
drapes, skirts, Zimmerman Products.
SHOOT-THE-SHIRT, polyethylone dispenser,

Technical Tape Corp.

HOWERFEED, floor, rug and carpet scrubbing machines, Hild Floor Machine Co., Inc.

SHOP-IN-CAR, rolling call-counter window shelf for drive-in plant, Shop-In-Car Corp.

SHOWBAC, transparent plastic bags. Central States Faper and Bag Co., Inc.

SHOWBA-FRUF, water repellent, Adco, Inc.

SHRED FLAKES, 40/88% flake soap, John T. Stanley Co., Inc.

Stanley Co., Inc.
SHUR-GRIP, hanger, W. A. Laidlaw Wire Co.
SIBUR, mothproofing agent, Sibur Mothproofing

SIDE AISLE, truck bodies, Montpelier Mfg. Co. SIEBRING, electromatic steam boiler, Siebring Mfg. Co.

in spot remover, Signal Chemical Mfg. SIGNAL, flameproof, insecticide, Signal Chemical

Mg. Co., Inc.
SIGNAL, nameproof, anectode, Signal
GONTACT SPRAY, insecticide, Signal
Chemical Mig. Co., Inc.
SILENT SERF, vacuum cleaner (industrial, wet
and dry), Certified Chemical & Equipment Co.
SILA-HAND, protective hand cream, Warco Labcentrolia, Inc. oratories, Inc.
SIL-EX, black metal washer, Gross Machinery Co.,

Inc. SILICON, spun nylon press cover, Phoenix Supply SILIC-O-NECTIC, time delay relays, Heinemann

Electric Co.
SILKANWOOL, silk and wool soap, North Coast
Chemical & Soap Works
SILK AND WOOL SOAP, coconnut oil soap, Patek SILTEX, FLAKES, medium-titer scap, Allen B. Wrisley Co.

SILVER KING, vacuum cleaners, floor machines and rug hampoo, Thompson & Sons, Inc. SILVER KOTE, lacquer, Pittsburgh Waterproof

SILVER LABEL, hatters equipment and supplies, National Hatters Supply Co. SILVER LEAF, sets. Southern Mills, Inc. SILVERLINK, roller chains, sprockets, Link-Belt

SILVERSEAL, colored specialty tapes, Gummed Tape & Devices Co.

SILVER-SEAL, extractor covers, R. Lally Co. SILVERSHINE, galvanized garment hang U. S. Metais Corp. SILVERSTREAK, silent chain drives, Link-Belt

SILVERSTREAK, assembly conveyors, call office conveyors, Silver Streak Conveyor Sales Co. SILVERTEEN, wire hangers, Academy Hanger

Co. inc.
SILVER TEMP-HOLD, silicone rubber pads,
Keever Starch Co., Keever Beach Div,
SILVERTOP, air release valve. V. D. Anderson
Co., Div. International Basic Economy Corp.
SIMCO, static eliminators, Simco Co.

SIMMONS, cuff and tag tacking machines, Chand-ler Machine Co. SIMMONS ELECTRO-MEND, mending and patching machines, Chandler Machine Co,

SIMPLEX, flatwork ironers, Speed Queen, Div. McGraw-Edison Co. SIMPLEX, office machines, time recorders, Sim-

plex Time Recorder Co.

SIMPLEX, oil burners, Simplex Oil Heating Corp.

SIMPLEX, package scalers, Better Packages, Inc.

SIMPLEX, soap, H. Kohnstamm & Co., Inc.

SINCER, sewing machines, accessories, Singer

Sewing Machine Co. SIPON, wetcleaning detergent, American Alcolac

Corp.
SIRCO, tropical nut shells for fur cleaning, Bernard Sirotta Co.
SIRCO FUME, liquid fumigating gas, Bernard

Sirotta Co. ventilating fans, American Blower Corp., Div. American-Standard Color & Chemical Co. 6-17, benzine soap, Midland Color & Chemical Co. 630, paste type drycleaning soaps for caustic or distillation clarification systems, Caled Products

distillation Co., Inc. SIZ-A-TIZE, concentrated dry sizing. Dixo Co.

STZE-ALL, liquid sizing, Keystone Aniline & Chemical Co., Inc. STZE-HITE, dry sizing, Warco Laboratories, Inc. STZEX, solvent soluble sizing, Stamford Chemical

Co. SIZ-IN, hat sizing, Greenville Chemical Co. SKALO, boiler compound, Marvel Mig. Co. SKELLYSOLVE-S, stoddard solvent, Skelly Oil

SKELLYSOLVE-T, 140 flash naphtha, Skelly Oil SKINNER ELECTRIC VALVES, 2 way, 3 and 4 way solenoid operated valves, stainless

SKIRT KLIPS, skirt clips, West Side Corp.
SKORTEX, wetcleaning compound, Wyandotte
Chemicals Corp., J. B. Ford Div.
SKY-MASTER, Boor/Leiling conveyors, Railex

COTP.
SKY ROCKET, extractors, Hammond Laundry-Cleaning Machinery Co.
SKYTINT, liquid laundry blue, Kliogman Bros.,

Inc., tumbler, laundry, rug & carpet, Hoyt Mig. Co.
SLACKS SAKS, trouser bags, Phoenix Products Co.
SLACKS SAKS, trouser bags, Phoenix Products Co.
"SLEEVE-MASTER, single lay sleever, Forse Corp.
SLEEVE-MASTER, single lay sleever, Forse Corp.
SLEEV-O-MATIC, cabinet sleeve press, Pantex

SLICK-EZ WAX AND CLEANER plant mainte-nance, Davies-Young Soap Co. SLICK-MASTER, consecutive conveyors, Railex

Corp.
SLICK TRAILER, call office for laundry and dry-cleaning. Slick Trailer Stores cleaning, Slick Trailer Stores SLICKER, wire brushes, American Pressboard Co.,

SLIP EASY BRAND, motor oil, boiler and rooming materials, Riverside Chemical Co., Inc. SLIP-IN, collar protectors, Phoenix Products Co. SLIP-KNOT, belt dressing, Webb Belting & Sup-

ply Co. SLIP-NOT, special tanned leather belting, Mil-waukee Leather Belting Co. surper SLIP-ON, hanger shields, Academy Paper Box Co. SLIP-ON, hanger shields, Larton Products Co.,

SLIP-ON, nylon sleeve press covers, F. H. Bonn SLO-SPEED, electric power drive, Sterling Elec-tric Motors, Inc.

SMASH, break powder, Minnesota Chemical Co. SMITH-GRANTHAM, tumbler, and pushbutton washer, T. L. Smith Co. SMITH'S DRYCESTER, dry-side spotter, Smith

SMITH'S SUPER SPRAY SPOTTER (4-S), spray spotter, Smith Bros. Co.

spotter, Smith Bros. Co.

SMOOTHEE, fabric softener, detergents, bleach,
bluing, starch, work clothes soap for coin operated machines, Abso-Clean Chemical Co.

"SMOOTHIE" DDOR KILLER, to remove all
bad obnoxious odors, Abso-Clean Chemical Co.

"SMOOTHIE" VENDORS, holds packages for
coin laundries, Abso-Clean Chemical Co.

SMOOTH-D-MATIC, 8 column selector vending
machines, coin operated, Abso-Clean Chemical
Co.

Co. on.

SNA-PSETS, business forms, Liberty Marking Tag

Co. lnc.

SNAP-TITE, cover-cloth clamp, J. W. Steele & SNIFF-O-MISER, solvent vapor adsorber, Hoyt

Mig. Corp. SNO MUD CHIEF, truck tires, Mohawk Rubber

Co. SNOWFINE CRYSTALS, alkali cleanser, Solvay Process Div., Allied Chemical Corp. SNOWFLAKE CRYSTALS, sodium sequicarbonate. Solvay Frocess Div., Allied Chemical Corp. SNUB-NOSE, delivery truck, Divco Truck Div., Divco-Wayne Corp. SOAPMASTER, soap dispenser, Steiner Co.

SOAP-O-MATIC, soap SOAPRITE, soap, Lewis National Corp. SOF-T, textile softener paste, Marlyn Chemical Co., Inc.
SOFT-COTE, water repellent, Wallerstein Co., Div. Baxter Laboratories, Inc.
SOFTEE, pressure and vacuum filters, Hammond Laundry-Cleaning Machinery Co.
SOFTELEX, plasticizing agent, Johnson Chemical Leductries, Inc.

Industries, Inc.
SOF-T SEPTIC, textile softener paste with germicidal agent for diaper service, Marlyn Chemical
Co., Inc.
SOF-TX, diapers, Sani-Top Co.
SOF-TN, leather or fur skin softener, Zimmerman

SO-GO, wetcleaning soap, A. L. Wilson Chemical SOILSORB, adsorbent laundry detergent, Cowles Chemical Co.

SOIL-SOLV, stain remover, Tower Chemicals, Inc. SO-KLEEN, drycleaning penetrant, Merson Prod-

ucts Co., Inc.
SO-KLEEN PENETRANT, drycleaning detergent,
Merson Products Co. Merson Products Co.

SO KLEEN SY, synthetic drycleaning 2020, Merson Products Co.

SOLAR L. C., all purpose, low sudsing nonional detergent, Swift & Co., General Soap Dept.

SOLARINSE, optical whitener, Carlton Chemical Co., Inc.
SOLAR NEUTRAL, neutral alkyl arve sulfonate
for wet cleaning, Swift & Co., General Scap

Dept. NP, liquid ethylene oxide condensate, Swift & Co., General Soap Dept.

SOLAR RECOLAR, jiguid amine condensate, SOLAR RECOLARS Dept.

Swift & Co., General Soap Dept.

SolARSUDS, detergent, Carlton Chemical Co., Inc.

SOLAR 25, high sudsing liquid detergent, Swift & Co., General Soap Dept.
SOLBLUE, blue, Speare Co.
SOL BREAK, break powder, Lewis National Corp.

SOLBUMEN, digester, Eaton Chemical & Dyo-SOL-ESCO, industrial laundry detergent, Cowlea Chemical Co.

SOLID CURB, laundry, drycleaning extractor American Laundry Machinery Co. SOLID S-CONTACT, reactors, Cochrane Corp. SOLIDS-CONTACT, reactors, Cochrane Corp. SULIU3-UNIAUI, TEBEIOTS, Cochrane Corp.
SOLIT-ATR, washers, tumblers, extractors, AyrMor Machinery Co., Inc.
SO-LITE, filter powder, Great Lakes Carbon Corp.
SOLIVE, sogns, Lewis National Lorp.
SOLOX, proprietary denatured alcohol, general
purpose solvent, U. S. Industrial Chemicals Co.,
Div. National Distillers & Chemical Corp.
SOLOZOME, sodium peroxide, E. 1, du Pout de
Nemours & Co., Inc.
SOLSTANE, soldium peroxide, E. 1, du Pout de
SOLSTANE, soldium peroxide, E. 1, du Pout de

Nemours & Co., Inc.
SOL-SIL-ATE, alkali soap builder, Lewis National

SOL-SIL-ATE, special alkali compounds, Spears SOL-SOUR, sour, Lewis National Corp.
SOL SUDS, soap, Lewis National Corp.
SOL-TEMP, solvent temperature control unit,

SOLTEX, drycleaning detergent, Riverside Mfg. SOLUBON, textile dyeing assistants, American Aniline Products, Inc. SOL-U-LUBE, neutral lubricant, Huntington Lab-

oratories, Inc.
SOL-U-NESE, dry and wet spotter, Huntington Laboratories Inc.
SOL-U-SOAP, drycleaning soap, Huntington Laboratories, Inc. SOLVAIR, solvent cooler, Samuel Jackson Mfg.

SOLVATROL, drycleaning unit, Shields Engineer-

ing & Manufacturing Co.
SOLVENT MASTER, solvent cooler and preheater, Tripp Mig. Co.
SOLVENT SAVER, solvent recovery unit, Vie

Manufacturing Co.
SOLVENT-SOMBER, solvent recovery unit, vie
Manufacturing Co.
SOLVENT-SOMBER, synthetic vapor recovery
units, Washex Machinery Corp.
SOLVEX, spotting agen), Spix Products Co.
SOLVIC, drycleaning unit for use with petroleum
solvent, vie Manufacturing Co.
SOLVINK, ink, paint, rust blood stain remover,
Greenville Chemical Co.
SOLVINGL. spotting soap, Keystone Andline &
Chemical Co., Inc.
SOLV-O-MARK, indelible marking pes, Mark-O

Corp SOLVO-MATIC, combination washer-extractor for petroleum solvent, Carter Machinery Co., SOLVO-MISER, solvent reclaiming, Hoyt Mig.

SOL-VO-RUST, sour, Thompson-Hayward Chem-SOLZYME, digestive agent, Lewis National Corp. SOLZYME, digestive agent, Lewis National Corp. SOME'S, uniforms, badges, embroidered emblems, Some's Terminal Uniforms

8-1-S-2, 5% and 15% bleach, Reslabs, Inc., Div.

SOPE BRAKE, break compound, Patek & Co. SORBIT, wetting agent, Alrose Chemical Co. SORT AT THE FOLDER, shirt-bin units, Bishop

SOYLON, dacron ironer covers, Southern Mills, SOURFLO, laundry sour, Wyandotte Chemicala Corp., J. B. Ford Div.

TRADE NAMES SOUR-TEC, sour, Wyandotte Chemicals Corp., J. B. Ford Div. SOUTHDOWN, diapers, George Wood, Sons & SOUTHEASTERN, laundry textiles, Southeastern Textile Co.
SOUTHEAN COLONEL, sponge press pads,
Southern Mills. Inc.
SOUTHLAND, cellophane bags, Southland Enter-SovaSol. 140, Petroleum safety solvent, Socony-Vacuum Oil Co., Inc. So-WHITE, antichlor whitener, Johnson Chemical Industries, Inc. SOYDOL, soap concentrate, A. F. Wolke Co. SPACE-MASTER, shirt and garment conveyors, Railex Corp. SPACEMASTER, stacker, Lewis-Shepard Prod-SPACEMASTER, truck delivery bodies, Unisteel SPAN, emulsifier wetting agent, Atlas Powder Co. SPARKETTE, detergent, Pennsalt Chemicals Corp. SPARKLE, laundry detergent, Pennsalt Chemicals SPARKLE, chlorophyll deodorant concentrate, SPARKLE, chlorophyll deodorant concentrate, American Mothproofing Co.
SPARKLEAN, drycleaning detergent, Cidex Corp.
SPARKOLOR, detergent emulsifier, Cidex Corp.
SPARKATAN, nets, Egan Cotton Mills
SPARTAN, å at and block leather V belt, leather packings, Craton & Knight Co.
SPARTAN KI, nylon laundry net, Whitehouse
Nylon Products
SPEARES, blues, Lawie Matteret Co. SPEARE'S, blues, Lewis National Corp. SPECIAL EXTRACTOR, leather belt, Webb SPECIAL EXTRACTOR, leather belt, Webb Belting & Supply Co.
SPECIAL FINISH, starch. A. E. Staley Mfg. Co.
SPECIAL HONER Oll., cleans, polishes and lubricates flatwork ironers, College Chemical Co.
SPECIAL PER, bot synthetic drycleaning unit,
Vic Manufacturing Co.
SPECIAL SOUR, laundry sour, high neutralizing,
Keever Starch Co., Keever Beach Div.
SPECIALTY, garment bagging device, Specialty
Daviose Co. SPECIALTY, garment bugging Devices Co.
SPEEDAC, dry bleach concentrate for mildew and heavy stains removal, Wyandotte Chemicals Corp., J. B. Ford Div.
SPEE-D-BAGGER, bagging device, Para-Lux Products Co.
SPEED CHECK, drycleaners identification and
work flow system, Speed Check Co., Inc.
SPEEDEE, drying cabinets, Hammond LaundryCleaning Machinery Co.
SPEE-DEE, oil and grease remover, Adco, Inc.
SPEEDEX, extractor, Zephyr Laundry Machinery SPEED-FIBRE, day tags, Market Industries Co., SPEED-FLOW, powered conveyor, Speed Check SPEED-GRIP, wire hook tags, Liberty Marking SPEEDIE, automatic tape sealing machine, Time

SPEEDIE, automatic tape sealing machine, Time Savers, Inc.

SPEEDISETS, sales and record forms, Moore Business Forms, Inc.

SPEED KING, tumbiers, Hammond Laundry-Cleaning Machinery Co.

SPEEDLITE, trucks, Lewis-Shepard Products, Inc.

SPEEDLITE, synthetics, soaps, wash room products, Patek & Co.

SPEEDMASTER, rug scrubber, Certified Chemical & Equipment Co.

SPEEDMATIC, shirt-folding arms, shirt-folding tables, Bishop Freeman Co.

SPEEDMASTER, stackers and portable elevators, Lewis-Shepard Products, Inc.

SPEED-O-VEYORS, combination laundry and drycleaning call office conveyors, Speed Check Co., Inc.

drycleaning call office conveyors, Speed Check Co., Inc. SPEED PAK, shirt pack, John P. Lynch Co. SPEEDPLUS, filter powder, Dicalite Div., Great Lakes Carbon Corp. SPEED QUEEN, coin operated washers, tumblers laundry, open end washers-extractors, drying tumblers, Speed-Queen, Div. McGraw-Edison

Co.
SPEED-RAK, rack for garment bag dispensing unit, Kordite Co.
SPEED SET, variable numbering machines, American Numbering Machine Co.
SPEE-D-SHIRT PAK, shirt package, Para-Lux Products Co.

SPEED-SHIRT PAK, shirt package, Para-Lux Products Co.
SPEEDS-IT. prespotter, G. & G. Chemical Co.
SPEED-SIZE, "in the wheel" dry fabric sizing for cleaners, Lustrol Drycleaning Products, Div. Patek & Co.
SPEED TAGS, tags, invoices, Stry-Lenkoff Co.
SPEED-TROL, electric power drive, Sterling Electric Motors, Inc.
SPEED-VAN, delivery trucks, Lina Coach & Truck Div., Great American Industries, Inc.
SPEED-VAN, delivery trucks, Lina Coach & Truck Div., Great American Industries, Inc.
SPEEDWAY, all-purpose agray type spotter and stain remover, Speedway Chemical Co.
SPEEDWAY, washer, tumblers, starch cookers, truck tubs Industrial Laundry Machinery Co., Inc.

Inc.
SPEEDY, washer-extractor, packaged quick-service laundry plants, Small Equipment Co., Div.,
American Laundry Machinery Co.
SPEEDY, washers, driers, water heaters, drycleaning machines, Speedy Washer Mfg. Co.
SPEEDYLECTRIC, steam generators, Pantex Mfg.

SPENCER, synthetic drycleaning equipment, J. R.

Spencer Co.
Spencer Co.
SPHERO, iron ball valves, Fairbanks Co.
SPHINA, starch, Arabol Mfg. Co.
SPHINA, starch, Arabol Mfg. Co.
SPIROL, Steam hot water heaters and nursers,
David Stout & Sons
SPIROLL, direct feed spreader, tape saver, bridge
for folder, spring connector, heat seal patches
and 2-way clutch attachment, Mazzolla Spiroll
Sales Corp.

and 2-way clutch attachment, Mazzolla Spiron and 2-way clutch attachment, Mazzolla Spiron Sales Corp.

Splx, prespotter, drycleaning and suede soap, hand cream, Spix Froducts Co.

SPORTSIGHOLIOS, sport shirt protector, printed, Package Masters, Inc.

SPORTIGHT, sport-shirt folding board, Key-Tag Checking System Co,

SPORTS THIRT, press unit, American Laundry Machinery Co.

SPORTS PAX, window envelope for packaging of sports shirts, Time Savers, Inc.

SPORTSTER, shirt folder, Time Savers, Inc.

SPORTESS, paste drycleaning soap, National Cleaners Chemical Mig. Co.

SPOTLESS CHLOROFORM, substitute for chloroform, Slater-Robbins Co., Inc.

SPORTESS SIZE, synthetic sizing, Slater-Robbins Co., Inc.

SPOTIESS SILE, synthetic string, State-Account Co., Inc.
Co., Inc.
SPOT-O-MATIC, automatic prespotting machine, Wichita Precision Tool Co. Inc.
Wichita Precision Tool Responsible Products Co.
SPOTINGHT, prespotter, Allen & Vickers, Inc.
SPOTS-GO, spotting agent, paint, oil and grease remover, A. L. Wilson Chemical Co.
SPOTTERS FRIEND, wet spotter, Smith Bros.
Co.

SPOTTING IODINE, iodine spotting agent, Warco Laboratories
SPOTTING PENCILS, pencils, Eaton Chemical & Dyestuff Co.
SPOTLIGHT, floor wax, Purex Corp., Ltd., Indus-

trial Div.
SPOT-X, prespotter, Huntington Laboratories, Inc.
SPRA, miniature beads of wax, Victor Zooz Chemical Co.
SPRA-SPOT, paint, oil grease remover, Kleentest

Laboratories

SPRAY DREST, liquid spray finish for suedes or
smooth leathers, Caled Products Co., Inc.

SPRAY-MASTER, spray gun, Cleaners Specialties SPRAY MIX, coating refractory, Mexico Refrac-

SPRAY SPOTTER, for spray spotting, Caled Products Co., Inc.
SPRAY SPOTTER, concentrated spotter on wet side, Eaton Chemical & Dyestuff Co.
SPREE, prespotter, spray spotter, Edelmuth Mfg.

Chemists, prespotent, span, span, chemists, prespotent SPUNN Diamond, 88% flakes, 92% powder, soaps, Lever Brothers Co.
SPUNYLON, nylon net, Carson Textile Co., Inc.
SPUNYLON, plon net, Carson Textile Co., Inc.
SPUNYLON, property Co., Inc.
SPUNYLON, property

Ply Co. SQUIRES, reducing and registering valves, C. E. SQUIRES, reducing and registering valves, C. E. S-R., spotting agents, Caled Products Co., Inc. SR-3, soil retardant, J-G Chemists.

SS COMPOUND, washing compounds, Lewis Natical Course

SS COMPOUND, washing compounds, Lewis National Corp.
SS-2 DN, sodium vinyl-siliconate glass fiber sizing, Cowles Chemical Co.
STABILON, testile dyeing assistants, American Aniline Froducts, Inc.
STACK-EM, hanger rack, Time Savers, Inc.
STACK-RITE, flatwork stacker, American Laundry Machinery Co.
STA-DAMP, plastic basket liners, Zuckerberg Co.
STADLUBE, starch lubricant, Stadham Co., Inc.
STADL-SPUN, spun treated nylon cloth, Stadham Co., Inc.

Co., Inc. STAD-TAPE, flatwork ironer tape, Stadham Co., STAD-TEX, treated nylon cloth, Stadham Co.,

STADWAX, ironer oil, powdered wax, paste, Stadham Co., Inc. STAFLO. liquid starch, A. E. Staley Mfg. Co. STAGE BRAND, press covers, aprons, bags, feed ribbons, Pittsburgh Waterproof Co. STAGE, spotting aids, G & G Chemical Co. STAIZ #2, collar supports, Time Savers, Inc. STAIN-A-WAY, oxidized-stain remover, Warco Laboratories, Inc. STAINEA, laundry sour, Keever Starch Co., Keever Beach Div. STAINEX SOUR, laundry sour, Minnesota Chemi-STAINEX SOUR, laundry sour, Minnesota Chemi-

STAINEX SOUR, laundry sour, Minnesota Chemi-

STAIN-O-GO, spot remover, Dello Products Co. STAIZ, collar supports, Time Savers, Inc. STALEY'S 132, linen starch, A. E. Staley Mfg.

STAMFORD MOTH PROOFER, mothproofing, Stamford Chemical Co. STANCO-A, linen and industrial sour, Keever Starch Co., Keever Beach Div. STANDARD, asbestos press covering, F. H. Bonn

STANDARD, change makers, Standard Change-Makers, Inc.
STANDARD, drycleaning washers and wood laundry washers, H. C. Keel Co.

STANDARD, laundry, drycleaning machinery, Standard Laundry & Cleaning Machinery Co.

STANDARD, pin carrier and net pins, Keyes-Davis

Cd.
STANDARD, press pads, Resillo Press Pad Co.
STANDARD MOTORS, electric power drive,
Sterling Electric Motors, Inc.
STANDARD ONE-COAT, insulation cement,
Thermold Products Co., Inc.
STANDATROL, air-operated relay, Bailey Meter

STAND-EZE, floor mat, Colonial Rubber Co. STAND-UP STAIZ #2, collar support, Time

ers, Inc.
STA-NEAT, garment hanger cover, Sta-Neat Corp.
STAN-O-MATIC, petroleum and synthetic drycleaning units; petroleum washer-extractor
combination, Standard Laundry & Cleaning
Machinery Co.
STANORUST, rust preventative, Standard Oil Co.
STANORUST, hot-water built soap, John T. Stanley

Co., Inc. STANSO, powdered hand soap, Concord Chemical

Co., Inc.

Tanso Lo Temp, laundry soap, 33-35 titer
powered or chip, Concord Chemical Co., Inc.

STANSO TEX Oil., sulphonated oils, turkey red
oil, Standard Soap Co., Div. Concord Chemical
Co. Inc.

STANTEX, nylon press cloth-heat treated, John
T. Stanley Co., Inc.

STAPLEX, Through a steam line, Sta-Nu Corp.

STAPEX, starch, A. E. Staley Mig. Co.

STAPL-TITE, marking tags, Liberty Marking Tag
Co., Inc. Co., Inc. STARCHTEX, starch lubricant, Lewis National

STAR BRITE, flourescent laundry sour, Kenco Chemical Co., Inc. STAR DOWN, dispers, George Wood, Sons & Co. STARFLITE, shirt finishing unit, Unipress Co., Inc. STARR-BRITE, wetcleaning soap, Starr Chemical.

Co., Inc.
STARR 180, CS; XHC, drycleaning detergents,
Starr Chemical Co., Inc.
STARR 451B, spot remover, Starr Chemical Co.,

STARTEX, break detergent, H. Kohnstamm &

To. inc. static control, drycleaning, R. R. Street & Co., Inc. STATIKIL, anti-static solution, Statikil, Inc. STA-VENT CLAMPS, accessory to steam-air finishers, Wichita Precision Tool Co., Inc. STAY-FRESH, finishing process, Stay-Fresh Corp. STAY-RESH, finishing process, Stay-Fresh Corp. STAY-PUT, adhesive collar stays, Story Mig. Co. STAY-PUT, adhesive collar stays, Story Mig. Co. STAZUP, collar supports, Alfred J. Brooks STEAM-AIRE, garment finishers, Pantex Mfg. Corp.

Corp.
STEAMAIRE, unit heater, Young Radiator Co.
STEAMASTER, boilers, return systems, Steamaster Automatic Boiler Co.
STEAMBOILERPLANT, boilers, Eclipse Fuel

Engineering Co.
STEAM-FLEX, flexible metal hose, Flexonics Corp., subs. Calumet & Hecla, Inc.
STEAM FLOW, pads, Resillo Press Pad Co.
STEAM FLOW, rubber press pad, Newhouse Co.
STEAMIN STEVE, portable electric steam generator, Electric Steam Boiler Sales, Div., Wolf

SCO.
STEAM-MIZER, storage water heater and con-densate utilizer, Patterson-Kelley Co., Inc.
STEAM-O-MATIC, shirt press, New York Pressing Machinery Corp.
STEAM-PAK, packaged steam generators, York-

Shipley, Inc. STEBBINS, flatwork ironer, Stebbins Mfg. & Supply Co. STED, low foaming detergent, Cowles Chemical

STEELCOTE, paint varnishes, waterproofing, Steelcote Mig. Co. STEELE BIN, shirt carrier, J. W. Steele & Co. STEELE GLIDER IRON, electric iron, J. W. Steele & Co. STEELELOX, self-locking shirt band, J. W. Steele

& Co.
STEEM, neutral lubricant for steam spotting,
Caled Products Co., Inc.
STEEM-ATIC, vertical water tube boiler, Kisco
Boiler & Engineering Co.
STEEM-MIST SOLVO-MISER, new reclaimer,

Boiler & Engineering Corp.
STEEM-MIST SOLVO-MISER, new reclaimer, Hoyt Mig. Corp.
STEIN, add-a-section finishers' tables, Lawrence M. Stein Co.
STEIN cuff tacker, Stein Specialty Co.
STEINER, paper towels, soap dispensers, toilet soap, Steiner Sales Co.
STELLAR, filter, Infilco, Inc.
STEMALLOY, patented silicon bronze alloy, Lunkenheimer Co.
STERICLEAN, moth repellent sour, Johnson Chemicals Industries, Inc.
STERILLOW, labels for pillows, R. Lally Co.
STERILLOW, labels for pillows, R. Lally Co.
STERILLOW, solvent conditioner, Sterling Air Conditioning Corp.
STERILING, solvent conditioner, Sterling Air Conditioning Corp.
STERILING, steam traps, Sterling Engineering & Mig. Corp.

Mfg. Corp.
STERLING, salt, salt tablets, dispensers, International Salt Co.
STEVEDORE, JR., conveyor, Rapids-Standard Co., Inc.
STEVENSON, automatic counting machine,
Stevenson Co.

STEWART-WARNER, instruments, Stewart-Warner Corp., Alemite Corp.
STIK-TITE, belt cement, Milwaukee Leather Belting Co.
STILLSON-GENUINE, wrench, Walworth Co. STILL-TEMP, still temperature control, Aquatrol, Inc. (Specialties Div.)
STOCK FORMS, snap out type invoices, Willco

STOCK FORMS, snap out type and a Sales Co.

STOD-SOL, drycleaning solvent, Anderson-Frichard Oil Corp.

STONE, package boiler, built-in return system, Stone Boiler Equipment Corp.

STORACEMASTER, vault-conditioning equipment, Walter Haertel Co.

STORACER, box storage, Guardian Better-Pak

STOR-U-VEYOR, automatic call-office conveyor, garments, White Machine Co., Inc.
STOVER, water softeners, pressure filters, Stover Water Softener Co. STOWE STOKERS, industrial stokers, John & Jennings Co.
STRATE, special drycleaning detergent, Spix
Products Co.

Products Co. STREAMLINE, laundry flatwork ironer, American Laundry Machinery Co.
STREAMLINED LABELORS, moistening machine, Better Packages, Inc.
STREAMLINER, continuous cloth towel cabinet,

Steiner Co.
STREEFENE, stripper, R. R. Street & Co., Inc.
STREEF, automatic conductivity control unit,
R. R. Street & Co., Inc.
STREESSITE, solid bronze machine parts, Amplex
Div., Chrysler Corp.
STRETCH-ALL, garment stretchers, tie forms,
aleeve finishing boards, sleeve forms, Jack
Hodges Specialty Co.
STRIDE, paint, oil and grease remover, Lustrol
Drycleaning Products, Div. Patek & Co.
STRIKE'S, bydraulic extractor, Strike's Laundry
Machinery, Inc.

Machinery, Inc.

STRIPALENE-O stripper, Keystone Aniline & Chemical Co., Inc.

STRIP-D-LUX, stripping agent, Warco Labora-

tories, Inc.
STRIPPEX, strippers, Package Chemical Co., Inc.
STRIP INs. ink remover, Slater-Robbins Co., Inc.
STRIPMASTER, wire strippers, Ideal Industries,

STRIPMASIAN, WHE SUPPLES, automatic pre-marked tag machine, Textile Marking Machine Co., Inc. STRIPP, powdered stripper and bleach, G & G Chemical Co. STRIPPABLE COATING, solvent and exaulsion types, The Peters Co., Div. Toledo Paint & Chemical Co. STRIPPET, strippers, Package Chemical Co., Inc. STRIPPT, stain remover, stripper, Kliegman Bros., Inc.

Bros., Inc. STRIPPOLYTE, dye remover, Slater-Robbins Co.

Inc.
STRIP-STICK, stripper, National Cleaners Chemical Mfg. Co.
STRIPTEX, powdered stripper, Hood Chemical Co., Inc., Crescent Div.
STROMBERG, time clocks, Stromberg Time Corp. STRONG, steam specialties, steam traps, strainers, separators, pressure reducing valves, continuous blow down valves, Strong, Carlisle & Hammond Div.

STRONG BOY, nylon laundry net, Carson Textile

Co.
STRONGTEX, aprons, clipper laced, pads and padding press and ironers, press covers and pads, Laundry Textile Co.
STRONG-WAL, pliofilm and paper combination bags, Comet Envelope & Paper Co., Inc.
STURDI-BILT, metal laundry washer, Jensen Mfg. Co.

STURDI-BILT, metal laturary wasnes, Johnson Mig. Co.
STYLOGRAMS, simulated paper handkerchief printed with sales message, Nashua Corp., Surehold Div.
SUBMERSION, gas/oil boilers, gas/oil burners, gas/oil water heaters, David Stout & Sons SUDS, paste drycleaning soap, Adco, Inc.
SUDSO, soap builder, Washine Chemical Corp.
SUDSRITE, high-titer built soap, New South Mig. Co., Inc.
SUDSYN, sudsy synthetic solvent, E. F. Drew & Co., Inc.

SUEDECARE, leather cleaning process, Suede-

care, Inc. SUEDE KING, leather and suede cleaning method,

Suede King
SUIAP, accounts receivable system, Remington
Rand, Inc.
SUITANDRESS, hangers, Cleaners Hanger Co.
SULFACO, soapless wetcleaner, R. R. Street &

Co., Inc.
SULFONITE, reducing agent, E. I. du Pont de
Nemours & Co.
SULFOSUDS, soapless soap, Merson Products Co.
SULFSTAD, synthetic detergent, Stadham Co.,

SULPHOGEN, spotting compound, Riverside Mfg.

Co.
SULPHOTEX, detergent, soaps, Keystone Aniline & Chemical Co., Inc.
SULVA, soapless wet cleaner, G & G Chemical

Co.
SUN. paste filter soap, Adco, Inc.
SUNBEAM, automatic clothes-lifting basket liner,
Cleaners Specialties Supplies Co.
SUNBEAM, blue, Speare Co.
SUN-DAY, powder bleach for shirt washing, Anscott Dry Cleaning Products, Inc.

SUNFRESH'NER, ultra violet ozone unit for tum-bler-dryer, Unimac Co. SUNNY DALE, cotton, dacron, nylon, linen sew-ing threads, Conway Thread Co. SUNNY HUE, terry cloth bath mats, American

Mat Corp. SUN-PROOF, paint, Pittsburgh Plate Glass Co.,

Paint Div.
SUNSET, blueing and color remover, stripper,
North American Dye Corp.
SUNSET COLORAMA, fabric powder dye, North
American Dye Corp.
SUNSET DYTINT, dye for use in washing ma-

chines, North American Dye Corp.

SUNSET DYWHITE, blueing with whitener for use in washing machines, North American Dye Corp.

SUPER, envelope moisteners, Better Packages, Inc.

SUPER, laundry machinery, Super Laundry Ma-chinery Co., Div. St. Joe Machines, Inc. SUPER, shirt sorting bin on casters, Time Savers,

SUPER ALKALI 60, alkali compound, Solvay Process Div., Allied Chemical Corp. SUPER AVACON, charge drycleaning soap, Allen & Vickers, Inc. SUPERBELT, leather belting, Philadelphia Belt-

Sing Co.
SUPERBILD, soap builder, Solvay Process Div.,
Allied Chemical Corp.
SUPER-BLEACH, soluble organic bleach, Johnson Chemical Industries, Inc.
SUPER CHIEF, truck tires, tire repair material,
Mohawk Rubber Co.
SUPERCHLOR, bleach, Patterson Laboratories,

SUPERCLEAN, synthetic detergent, Cowles

SUPERCLEAN, synthetic detergent, Country Chemical Co. SUFER-CLEAR, rust-removing sour, Johnson Chemical Industries, Inc. SUPER DESOIL, one-shot linen supply detergent, Cowles Chemical Co. SUPER DETERGENT, detergent-type drycleaning soap, National Cleaners Chemical Mfg. Co. SUPER DRY-O-MATIC, signal and alarm control for tumblers, Rosenthal Mfg. Co. SUPER EAL-CONITE, high-capacity greensand zeo-lite, Elgin Softener Corp. SUPER EXSIZE-T, destring agent for removal of starch-base sizes, Pabst Brewing Co., Industrial Products Div. SUPER FAST SOLVO-MISER, solvent recovery unit, Hoyt Mfg. Corp.
SUPERFIRE, laundry starch, Washine Chemical Corp. SUPER FURNAS-CRETE, castable refractory,

Mexico Refractories Co. SUPERGAUGE, gauges, U. S. Gauge Div., American Machine & Metals, Inc. SUPERGEM, fittings for Teflon hose, Aeroquip SUPERGLO, drycleaning charge soap, Dello

Products Co.
SUPER-HILO, powder, built soda soap, Armour & Co., Industrial Soap Oept.
SUPER HILOSET, temperature bonding mortar, Mexico Refractories Co.

Mexico Refractories Co., Mexico Refractories Co. SUPER ILLUMINATORS, incandescent lighting equipment, Edwin F. Guth Co.
SUPERIOR, floor machine line, Certified Chemical & Equipment Co.
SUPERIOR, marking machines, Textile Machinery Co., inc.

SUPERIOR, nylon knitted laundry nets, Fablok Mills, Inc.
SUPERIOR, press pads, Superior Pad Co.
SUPERIOR, regulator, thermostat, trycock, water
gauge valve, steam valve, Superior Controls

Co., Inc., rug cleaning machinery and accessories, Superior Rug Machinery Co.
SUPERIOR, boilers and return systems, Superior
Boiler Works
SUPERIOR, steam generators, Superior Combustica Industries, Inc.

tion Industries, Inc.
SUPERIOR CRUSH PROOF, assorting hooks, V & W Equipment Co. SUPERIOR LINT TRAP, lint traps, V & W

Equipment Co.
SUPERIOR SCOTCH MARINE BOILERS, boilers,
Superior Boiler Works
SUPER IRONER, chest type ironers, Super Laundry Machinery Co.
SUPER-ET, built soap, and nonionic synthetic, Armour & Co., Industrial Soap Dept.
SUPER-KARB, activated carbon for solvent clarification, Pennsalt Chemicals Corp.
SUPERKLEEN, laundry alkali, Washine Chemical
Corp.

Corp.
SUPER-MATIC, boilers, Eclipse Fuel Engineering
Co. Eclipse Boiler Div.
SUPERMATIC, doors, overhead and electric, National Pneumatic Co., Inc.
SUPER-MIRZA, automatic rug cleansing machine,
American Laundry Machinery Co.
SUPER MONO-FIBRIK, plastic firebrick, Mexico

Refractories Co.

SUPER MULTIFLEX, calcium carbonate, Diamond Alkali Co.

SUPER OILITE, ferrous-base lubricating bearings, Amplex Div., Chrysler Corp.
SUPER ORTH, anhydrous orthosilicate, Washine

SUPERPACKING, leather packings, Philadelphia Belting Co.
SUPER-PLASTIC, refractory materials, A. P.
Green Fire Brick Co. SUPER PURGO, soap builder, Minnesota Chemi-SUPER 7C, drycleaning unit, Prosperity Co., Div.,

SUPER 7C, arycleaning among the Marie Industries Corp.

Ward Industries Corp.

Div., Allied Chemical Co.

SUPERSILICATE, detergent and soap builder, Diamond Alkali Co.

SUPER SILVERTOR, detergent trape, air release valves, float and thermostatic traps, pipe line valves, float and thermostatic traps, pipe line valves, float and thermostatic traps, pipe line of the control of the

valves, float and thermostatic traps, pipe line strainers, V. D. Anderson Co., Div., Interna-tional Basic Economy Corp. SUPER-SOL, prespotter, National Cleaners Chemi-cal Mig. Co.

cal Mig. Co. SUPER-SOLTEX, drycleaning detergent, River-SUPER-SOLV, upholstrey drycleaner, Coastal

Chemical Corp.

SUPERSOUR, highly soluble laundry sour, Speedlite Chemicals Co., Drv. Patek & Co.

SUPER-SPEED, drycleaning tumbler, American
Cleaners Equipment Co., Div. American Laundry Machinery Co. dry Machinery Co.
SUPER-SPEED RAILS, prefabricated speed rails,
Automatic Specialties, Inc.
SUPER SPOTTER, all-purpose spotter, Lustrol
Drycleaning Products, Div. Patek & Co.
SUPERSPRAY, water spray gun, Bishop Freeman

SUPER STEEL, pins, safety pins, William Prym,

SUPER STOD-SOL, cleaners' naphtha, Anderson-Prichard Oil Corp.
SUPER-SYLON, laundry Batwork ironer, American Laundry Machinery Co.
SUPER-TEX, detergent, Nu-Pro Mfg. Co.
SUPER TURBINE, turbine pumpa, Decatur Pump

SUPER-VAC, rug vacuuming machine, American
Laundry Machinery Co.
SUPER-WEAR, press covers, Gustin-Eramer Co.
SUPER S, break powder, Speare Co.
SUPER-ZARMO, air-driven laundry presses,

SUPER A, break powder, Speare Co.
SUPER-ZARMO, air-driven laundry presses,
American Laundry Machinery Co.
SUPER-ZARMOETTE, air-driven laundry presses,
American Laundry Machinery Co.
SUPER-ZORIC, drycleaning unit, American
Cleaners Equipment Co., Div. American Laundry Machinery Co.
SUPREME, laundry starch, Clinton Foods, Inc.
SUPREME, laundry starch, Clinton Foods, Inc.
SUPREME, water softeners and filters, Bruner
Corp.

COTP.
SUPREME, neoprene belting, Victor Balata &
Textile Belting Co.
SUR-DRIVE KIT, feed ribbon kit, Zeidler Mfg.

Co., inc. SURE-FLUO, ironer wax, Johnson Chemical Industries, Inc.
SURE-GRIP, roll covers, F. W. I., R. Lally Co.
SURE-HOLD, paper specialties, wrappers, shirt
bands, Nashau Corp.
SURELOC, aluminum collar and cuff fasteners,
Sureloc Paper Clip Co.
SURE-RETURN, coundensation pumps, Chicago

Fump Co. SURE-RINSE, rinsing aid, Johnson Chemical Industries. Inc. SURFCO SHELD, silicone type colorless water repellent, Surface Protection Corp.
SUSFENSOIL, laundry detergent and soap builder, Diamond Alkali Co.
SUSSMAN, steam iron, Automatic Steam Prod-

ucts Co.

SUZIE-Q, garment finisher and fabric conditioner,
Excelsior Machinery Co.

SWAGELOK, reducer fitting for tubing, Crawford Fitting Co.

SWANE, cover duck, Minnesota Chemical Co.

SWANE, cover duck, Minnesota Chemical Co.

SWEDA, registers, cash and control, Sweda Cash

Register for

SWEDA, registers, cash and control, some linen rental service, advertising materials, Linen Suppliers Advertising Corp. SWIFT, soaps, Swift & Co., General Soap Dept. SWIFT'S COLDWATER SOAP, built cold water soap, Swift & Co., General Soap Dept. SWINGLINE, stapping devices, Swingline, Inc. SWIVELOADER, box or car loaders, Stephens-Adamson Mfg. Co.

SWIVELMADER, DOX Or CER loaders, Stephens-Adamson Mfg. Co. SWIV-O-HOOK, hangers, Garment Hanger Co. SYLON, chest-type flatwork ironer, American Laundry Machinery Co. SYLVANIA, cellophane, Sylvania Div., American Viscose Corp. SYNCHRO-METER, electric telemeter, Bailey

SYNCHRO-VALVE, diaphragm control valve,

Bristol Co.

SYNCLOR, single-bath synthetic solvent drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co.

SYNDET, insecticide, U. S. Rubber Co.

SYNDET, synthetic detergent, West Side Corp.

SYNFLEX, outside and interior enamel, Midland Paint & Varnish Co.

SYN-KLEEN, synthetic detergent, G. S. Robins & Co.

SYNSO, synthetic drycleaning soap, Nu-Pro Mfg.

SYNOTEX, detergent emulsifier, Dixo Co. SYNSUDS, soap, H. Kohnstamm & Co., Inc. SYN-SUDS, synthetic detergent, G. S. Robins &

SYNSUDS, synthetic soap powder, Trico Chemical Div., Tri-State Equipment Co.

SYNTER-R, rug shampoo composes, Tower Chemicals, Inc. conc. for mfg. pur-

SYNTHE-CLEAN, rug shampoo, Multi-Clean Products, Inc.

SYNTHEEL, liquid filter soap, National Cleaners Chemical Mfg. Co.

SYNTHESOL-100, drycleaning soap for synthetic solvent, Patek & Co.

SYNTHO, soap for chlorinated solvents, National Cleaners Chemical Mfg. Co.

SYNTH-O-SAVER, solvent recovery unit, Detrex Chemical Industries, Inc.

SYNTHO SUDS, synthetic soap chips, West Side Corp.

Corp.
SYNTOMAT, combination washer extractor-synthetic solvnt, Washex Machinery Corp.
SY PENETRANT, drycleaning detergent, Merson Products Co., Inc.

T

TDL, high-pressure boiler, Titusville Iron Works
 Co., Div. Struther Wells Corp.
 T & L COMPOUND, stain-removing laundry
 break, Speedlite Chemicals Co., Div. Patek &

T.S.R. SET, composite 3 bottle set for removal of tannin, Warco Laboratories, Inc.

7. ABASCO, water heaters, Kewanee Boiler Corp.

7. ACO, heaters, condensers, hot-water systems, Taco Heaters, inc.

7. AD, insecticides, deodorants, Tad Chemical Co., Div. Acme Industrial Compounds Corp.

7. AD, tags. Boston Clip & Tag Co.

7. AG-A-DAY, laundry marking tags and pins, Boston Clip & Tag Co.

7. AGGER, sewing machine for tagging, Chandler Machine Co.

TAG-O-LETRIC, automatic marking machines, identification systems, Textile Marking Machine

Co., Inc.

TAG-O-MATIC, tag marking and marking machine, Textile Marking Machine Co., Inc.

TAGVOICES, carbon interleaved invoices and tags. Stry-Lenkoff Co.

TAGZON, tag attaching machine, National Marking Machine Co.

TAHARA, silver burnishing machine, American Laundry Machinery Co.

TAHOE, laundry blue, Fatek & Co.

TAHOE, laundry blue, Fatek & Co.

TALLOR-MADE, pre-fabricated speed rails, Speed Check Co.

Check Co.

TAKALAB TLM, concentrated enzymic digestant,

R. R. Street & Co., Inc.

TA-KARA-HUKS, drycleaning specialty for cleaning drapes, with hooks, attached, Take-Care

Mfg. Laboratories, Inc.

TAKIMERSE, desizing agent, R. R. Street & Co., Inc.

TALB MP, mildew-preventative, Talb Industries,

Inc.

TALB X-01 and 75-08, detergent for industrial laundry washing, Talb Industries, Inc.

TALB X-T-N, detergent, Talb Industries, Inc.

TALLY, hand counter, Denominator Co., Inc.

TAN-AN-INK, ink remover, Package Chemical

Co., Inc.
TANSOL, tannin acid stain remover, Greenville
Chemical Co.
TAN-X, semi-wet stain remover, National Cleaners
Chemical Mrs. Co.
TAPE-O-MATIC, tape dispenser, power, Better
Packages Inc.

Packages, Inc.
TAPE SHOOTER, gummed tape package sealers,
Better Packages, Inc.
TARBONIS, protective skin cream, Tarbonis Co.
TAR-GO, dry or wet spotter, A. L. Wilson Chemical Co.

ical Co. TASCO, alkali (soap builder), Lewis National

Corp.
TASCO TINT, blue, Lewis National Corp.
TASKMASTER, truck delivery bodies, Unisteel

Body Co.

AUBMAN, marking pen for laundries and drycleaners, Samuel Taubman & Co., Inc.

TAYLOR, stokers, American Engineering Co.
TECHNICLEAN, drycleaning soap, Fry Bros. Co.
TEJAX, valve indicator, indicating handwheels,
Tejax Engineering Corp.

TEKO, liquid detergent, Wyandotte Chemicals
Corp., J. B. Ford Div.

TELE-VUE, cellophane shirt and garment bags,
Tele-Vue Packaging Products, Inc.

TELL BOARD, bulletin board, Mine Safety Appliances Co.

pliances Co.
TELLEVEL, bin level control switches, Stephens-Adamson Mfg Co.
TEL-U-VISION, transparent garment bags, Mehl

Mfg. Co.
TEMCON, laundry flatwork ironer, American
Laundry Machinery Co.
TEMPLETON, steam traps, Sterling Engineering

AEMPLETON, steam traps, Stering Engineering & Mfg. Corp.
TEN-MINIT, bleach, Warco Laboratories, Inc. 10 & 20, shirt bins, Time Savers, Inc.
TEN STRIKE, match book, Universal Match Corp.
TERGESSOL, paint and grease remover, Slater-Robins Co., Inc.

TERGIT, spotting compound, Riverside Mfg. Co. TERGITOL SURFACTANTS, surfactants, Union Carbide Chemicals Co., Div. Union Carbide Corp. TERJ, strong soap, Huntington Laboratories. Inc. TER-TEX, drycleaning concentrate, Spix ProdTETRA-NOVAL, wetcleaning soap, Keystone Aniline & Chemical Co., Inc.
TETRAPOL, spot washing, tar removal, General Dvestuff Corp.

Dyestuff Corp.
TETRA-SAN, liquid detergent, Huntington Labotories, inc.
TEX-ALL, rug cleaner, Certified Chemical &

Equipment Co.
TEXAS STOD-SOL, drycleaning naphtha, Ander-son-Prichard Oil Corp.
TEX-FLUFF WITH BAC-STAT 200, bactericidal fabric softener, Johnson Chemical Industries,

TEXGLO, moisture activator, Merson Products

Co., Inc.
TEX-IT, upholstery cleaner, Certified Chemical & Equipment Co.
TEXIZE, sizing preparation, Package Chemical

TEXO, laundry soap, E. F. Drew & Co., Inc. TEXOLITE, all purpose spotter, Coastal Chemical

Corp.
TEXSCOUR, low-titer neutral red-oil soap flakes,
Armour & Co., Industrial Soap Div.
TEXSOL, drycleaning detergent, Riverside Mfg.

Co.
TEXTAG, drycleaners identification system, Speed Check Co., Inc.
TEXTO, glazed thread, Fleischer Mills, Inc.
TEXTURE-SAN, sizing compound, Huntington Laboratories, Inc.
THANITE, insecticide concentrate, Hercules Powder Co., Huron Milling Div.
THERMALITE, 1000° F. high heat aluminum paint. Tropical Paint & Oil Co.
THERMOTATIC, laundry drying tumbler, American Laundry Machinery Co.
THERMOOON, solvent temperature control, Mar-Machinery Mfg. Co.
THERMO-DYNAMIC, steam trap, strainer pipeline, Sarce Co., Inc.

line. Sarce Co... Inc.
THERMO-FAX, dry copy duplicating machines
and papers, Minnesota Mining & Mfg. Co.
THERMO-HUMIDIGRAPH, combination temperature and humidity recorder, Bristol Co.
THERMOPATCH, heat sealing mending materials,

Thermopatch Corp.
THERM-O-FLATE, permanent property mark, Textile Marking Machine Co., Inc.
THERM-O-RITE, code-indexing permanent-mark, Textile Marking Machine Co., Inc.
THERM-O-SEAL, identification machine, Textile Marking Machine Co., Inc.
THERMO-SEAL, identification machine, Textile Marking Machine Co., Inc.
THERMO-SET, thermo-setting ink setter, National Marking Machine Co.
THERMOTEX, press covers, H. Kohnstamm & Co., Inc.

THERMOTEA, press covers, H. Konnstamm & Co., Inc.
THERMOTEX "S," heat-resistant cover cloth, H. Kohnstamm & Co., Inc.
THERMOTROL, radiator control, Sterling, Inc.
THERMO-VENTO, drying tumbler. American Laundry Machinery Co.
T-32, guntacker, Arrow Fastener Co.
THOMAS, aluminum display holders, Mulholland-Harper Co.
THOM, intermediate quality, stiff mud firebrick, Mexico Refractories Co.
THOR, nylon laundry net, Whitehouse Nylon Products

Products
THORAL, rug shampoo, Tureo Products, Inc.
THREAD-TITE, anti-seize compound (stick form),
pipe thread lubricant, Armite Laboratories
3-B DYNAMITE, soap, Rome Soap Mig. Co.
3-DIMENSIONAL, press machine covers, F. H.

3-DIMENSIONAL, press machine covers, F. H. Bonn Co.
3-STAR, leather and waterproof leather belting, Charlotte Leather Belting Co.
33, bentonite product, Wyanz'otte Chemicals Corp., J. B. Ford Div.
3025C, nylon cover cloths, Whitehouse Nylon

Products
300, extractors, Western Laundry Machinery Co.
328, Thoner oil, John P. Lynch Co.
3800 SERIES, payroll and job time recorder, Lathern Time Recorder Co.
THRIFTEX, drycleaning soap, detergent and emulsifier, Pennsalt Chemicals Corp.
THRIFTIES, collar supports, M. H. Gronauer Co.
THUR-O, rug cleaning compound, Diamond

THUR-O-COLOR, cold water rug dyes, Diamond

THUR-O-CULUR, cold water rag dyes, Limitada. Chemical Co.
THY-MO-TROL, electronic motor control, General Electric Co.
TI-BAG, cover for Ti-Rak, Para-Lux Products Co.
TI-BAG, cover for Ti-Rak, Para-Lux Products Co.
TI-BAG, cover for Ti-Rak, packaged and nets, Tingue, Brown & Co.
TICKETAG, drycleaning identification system, TicketTag Corp.
TICOSTEAM, packaged steam generator, Titusville Iron Works Co., Div. Struther Wells Corp.
TICOTHERM, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
TIDE, detergent for new coin-vended automatic dispensers, Proctor & Gamble Distributing Co.
TIE-PAK, tie racks and bags, Phoenix Products Co.

Co.
TIGER, grease cups. Lunkenheimer Co.
TIGER, paste-type detergent, Adco, Inc.
TILTOR, shirt finishing equipment, American
Laundry Machinery Co.
TILT-OUT, 60 x 96 washer, Super Laundry Ma-

chinery Co.
TILT-RIGHT, container stand for 5 gallon bottles and drums, Paul O. Young Co.
TIME-O-MATIC, air presses, New York Pressing TIME-O-MATIC, timers for extractors, Rosenthal Mfg. Co.

TIME SAVERS, garment racks, trouser guards, shirt envelopes, Time Savers, Inc.
TIMKEN, roller bearings, tubings, Timken Roller Bearing Co.
TINDECK, double-face padding and nets, Tingue, Brown & Co.
TINGUNIT, nylom nets, Tingue, Brown & Co.
TINTEX, dye and dye remover, Park & Tilford TI-RAK, necktie hanger, Para-Lux Products Co.
TISCUE-MASTER, toilet tissue dispenser, Steiner Co.

TITAN, nylon laundry net, Whitehouse Nylon

Products
TITANIC, stripper, Spix Products Co.
TITANIUM X, color stripper, Eaton Chemical & TOKEN-TAGS, instruction tags, Pre-Marked Strip

Tag Co.
TOLEDO, scales, Toledo Scale Co.
TOLEDO, industrial finishes, Peters Co., Div. Toledo Paint & Chemical Co.
TOMAHAWK, brouze wooi press cleaner for cabinet sleevers, Keever Starch Co., Keever Beach

Div.

TONRAC, refrigerating machines, American
Blower Corp., Div. American-Standard
TOPAZ, high-titer built soap chips, Armour & Co.,
Industrial Soap Dept.

TOPMASTER, dual pants topper, Excelsior En-

TOPMASTER, dual pants topper, Excelsior Enterprises, Inc.
TOPPER-MATIC, steam air trouser topper finishing machine, P. & H. Industries, Inc.
TOPS, drycleaning detergent, Nu-Pro Mfg. Co.
TOPS-LL, prespotter, Warco Laboratories, Inc.
TOPSLIP, press covers, Toptex Corp.
TOPSPLIP, press covers, Toptex Corp.
TOPTAFE, flast work ironer tape, Toptex Corp.
TOPTAFE, flast work ironer tape, Toptex Corp.
TORK, time switches, Tork Clock Co., Inc.
TORNADO, blowers, industrial vacuum cleaners,
floor machines, Breuer Electric Mfg. Co.
TORRIDOR, blower unit heater, Trane Co.
TOUCH UP, spotting aid, John P. Lynch Co.

Mills, inc.
TOWER-TEX, rug cleaning detergent powder,
Tower Chemicals, Inc.
TRACTAIR, compressor, Le Roi Div., Westinghouse Air Brake Co.
TRAFFIC KING, vinyl plastic matting, American

Mat Corp.
TRAN-CEL-SEAL, cellulose tape, Gummed Tape

Mat Corp.
TRAN-CEL-SEAL, cellulose tape, Gummed Tape & Devices Co.
TRANSCOPY DUPLEX, contact printer, photographic, Remington Rand, Inc.
TRANS-O-MUCK, solvent sludge reclaimer, Vic Manufacturing Co.
TRANS-WEYOR, horizontal belt conveyor, Mechanical Handling Systems, Inc.
TRAVAGRATE, continuous ash discharge spreader stoker, Erie City Iron Works
TREAD-EASE, resilient sponge rubber runner matting, American Floor Products Co.
TREASURE, brass safety pins (unguarded coil), Oakville Co., Div. Scoville Mig. Co.
TREET-O-UNIT, constant rate proportioning pump, Proportioners, Inc.
TREMM, laundry bleach, Tremm Chemical Corp.
TRENDWELD, pipe and tubing, Trent Tube Co.
TRECTHELD, stainless and high alloy pipe and tubing, Crucible Steel Co. of America
TRI, fur cleaning fluid, Walter Haertel Co.
TRI-CLAD, motors, General Electric Co.
TRI-CLENE, drycleaning solvent, E. I. du Pont de Nemours & Co., Inc.
TRI-CO, electrical and lubricating devices, Trico Fuse Mig. Co.
TRI-CO, wetcleaning sour, Trico Chemical Div., Tri-State Equipment Co.
TRI-EX, furnigant, Walter Haertel Co.

Co.
TRIMERSE, enzymic digester, Trico Chemical
Div., Tri-State Equipment Co.
TRIO, alkali compounds, bleach, boiler compound, Trio Chemical Works, Inc.
TRIPLE-A, paints, Quigley Co., Inc.
TRIPLES, 140° F drycleaning units, American
Cleaners Equipment Co., Div. American Laundry Machinery Co.

dry Machinery Co.
TRIPLE-X DRI-SHEEN, detergent, Adco, Inc.
TRIPMASTER, truck delivery bodies, Unisteel

Body Co.
TRISOL, oily stain spotter, Eaton Chemical & Dyestuff Co.
TRIUMPH, built non-ionic synthetic detergent, Armour & Co., Industrial Soap Dept.
TRIWAY, fur finishing machine, Walter Haertel

Co.
TRI-X, fumigant, Walter Haertel Co.
TROPELITE, durable protective coating, Tropical
Paint & Oil Co.
TROPICAL, cleaner for walls, floors, windows,
Tropical Paint & Oil Co.
TROPICAL, nut shells for fur cleaning, Bernard

TROUGH-BELT, belt conveyors, New Lendon Engineering Co.
TROUSER-FORMER, pants shaper, Bill Glover,

TROUS-GUARD, trouser guard, Para-Lux Prod-

ucts Co.
TROY, laundry machinery, tumblers, Troy Laundry Machinery Div., American Machine &

ucts Co.

TROY AIR-JET, flatwork folder, Troy Laundry Machinery Div., American Machine & Metals, TROY ATLAS, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.

TROY ELECTROMANUAL, washer, Troy Laundry Machinery Div., American Machine &

TROY ELECTROMATIC, washer, Troy Laundry Machinery Div., American Machine & Metals,

TROY FLEXIMATIC, flatwork folder, Troy Laundry Machinery Div., American Machine &

dry Machinery Div., American Metals, Inc.
TROY FOLD-FAST, folders, Troy Laundry Machinery Div., American Machine & Metals, Inc.
TROY FULLMATIC, washers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
TROY LAUNDRITE, washers, extractors and combination washer-extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.

Inc.

TROY LAUNDRITE W-X COINMATIC, combination washer-extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.

TROY LAUNDRITE W-X STANDARD, combination washer-extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.

TROY MINUTE MAN, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.

TROY MINUTE MAN, JR., tumblers, Troy Laundry Machinery Div., American Machine &

dry Machinery Div., American Machine Metals, Inc.

TROY OLYMPIC, extractor, Troy Laundry Ma-chinery Div., American Machine & Metals, Inc.

TROYSAN PMA-30, phenyl mercury acetate (mil-dewcide). Troy Chemical Co.

TROY SLYDE-OUT, washer, Troy Laundry Ma-chinery Div., American Machine & Metals, Inc.

TROYSPECIAL, replacement collars, Zuckerberg

TROY SPEEDLINE, flatwork ironers, Troy Laundry Machinery Div., American Machine &

Metals, Inc.
TROY W.X, combination washer-extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.
TROY W.X, combination washer-extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.

Laundry Machinery Div., American Machine we Metals, Inc.
TRUCLEAR, drycleaning solvent filter, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUCLEEN, petroleum solvent for drycleaning, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUCLOR, synthetic solvent for drycleaning, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUCOLOR, dyeing, Tru Color Dye Works, Inc.
TRUFOLOR, dyeing, Tru Color Dye Works, Inc.
TRUFOLOR, dipting for Machinery Co.
TRUFOLOR, dipting for Machinery Co.
TRUFOLOR, dipting for Machinery Co.

Co.
TRUFORM, steam-air garment finisher, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUMATIC, laundry flatwork folder, American Laundry Machinery Co.
TRUMP, spot remover, Spix Products Co.
TRUSHEEN, CONCENTRATE, drycleaning detergent, Krasan Products, Inc.
TRU SOAP. true soap liquid, Benda Products, Inc.

TRU SOAP, true soap liquid, Benua Froquess, Inc.
TRU-STAK, automatic flatwork stacker, American Laundry Machinery Co.
TRUSTY, gasoline strainers, Lunkenheimer Co.
TRU-TOME, fabric conditioner, Adrian Research & Chemical Co.
TUDOR, vertical pack boxes for clothes, Guardian Better-Pak Corp.
TUF-BOY, taundry nets, R. Lally Co.
TUFF HIDE, padding, Pittsburgh Waterproof Co.
TUFF-TEX, metal press pads, X. S. Smith, Inc.
TUFF-TEX, metal press pads, X. S. Smith, Inc.
TUFFT, theavy duty synthetic detergent, Thompson Chemical Co.
TUFFY, knitted nylon laundry nets, Southern Mills, Inc.

Milk. Inc.

TUMBLETTE, coin-operated and timer operated

30 lb. dryer, Cook Machinery Co., Inc.

TUMBLTHOL, tumbler and reclaimer temperature
control, Minneapolis-Honeywell Regulator Co.

TUMBOLITE, lighting fixture for open-end tumblers, National Marking Machine Co.

TURBAIRE, coils, heating and cooling. Acme Industries, Inc.

TURBO-VAC, single press vacuum system, Pantex Mig. Co.

TURCO, insecticides, germicides, Turco Products, Inc.

Inc.
TUWAY, strainers, Wright-Austin Co.
20th CENTURY, needle bearing, Roller Bearing

20th CENTURY, needle bearing, Roller Bearing
Co. of America
24K, press padding, Jomac, Inc.
20-L, laundry starch, Clinton Foods, Inc.
TWENTY-TWENTY, front-loading washer, American Laundry Machinery Co.
TWIN CONTACT CONTROLS, controls, regulators, gauges, Perfex Corp.
TWINETTE, laundry tumbler, gas or electric,
Hoyt Mig. Corp.

Hoyt Mrg. Corp.
TWINMATIC, washer and extractor, Imperial
Laundry Machinery Co.
TWIN-O-MATIC, work shirt finishing unit, Uni-

press Co., Inc.
TWINPLEX, fur cleaning drum and cage, Walter
Haertel Co.

TWIN-PRESS, drycleaning press, Reliable Steam Pressing Machine Service, Inc. TWIN-RAPID, automatic shirt press, general pur-pose press, Reliable Steam Pressing Machine

Service, Inc.
TWINTAINER, extractor, Fletcher Works, Inc.
TWINTAINER, extractor, Fletcher Works, Inc.
TWIN-TEX, metal press pads, X. S. Smith, Inc.
TWIST-EMS, hanger combiners, Germain's Inc.
Twist-Ems Div.
TWISTEMS, hanger combiners, H. F. Hanscom &

TWITCHELL, emulsifying bases, Emery Indus-

tries, Inc.

2 dy, dye stripper, Patek & Co.

2 GAV, compressor plant, Westinghouse Air Brake
Co., Industrial Products Div.
209, stain remover, R. R. Street & Co., Inc.

"2-IN-1," nylon flannel-cover combination, Zuckerberg Co.

erberg Co. 2802 HOSE OF TEFLON, flexible hose, Aeroquip

210 SPECIAL, nylon net, Whitehouse Nylon TY-BORDS, forms for pressing neckties, Joe L.

Winner
TCO, stick machine cleaner for hot irons, presses,
Tyson Sales Co., Inc.
TYPE W, basic washer timing control, American
Laundry Machinery Co.
TY-HOLDERS, tie and belt holders, Time Savers,

Inc.
TM.T., timers, Tork Clock Co., Inc.
TY-ON, press machine covers, F. H. Bonn Co.
TY-PAX, tie and belt holders, Time Savers, Inc.
TYSON. dry size, Dello Products Co.
TY TAPES, cotton Ty tapes, Conway Thread Co.

UNITHERM, unit heaters, Clarage Fan Co.
UNIT KLEEN, drycleaning washer-extractor,
G. A. Braun, Inc.
UNI-TRAP, bucket type steam trap, Perfecting
Service Co.
UNIT WASH, iaundry washer-extractor, G. A. Braun, Inc.
UNIVALVE, valves, Edward Valves, Inc., Sub-sidiary Rockwell Mfg. Co.
UNIVERSAL, printed book matches, Universal

Match Corp.
UNIVERSAL AIR, air filters, air drain traps, controls and regulators, pressure, Perfecting Service

UNIVERSAL SPEED-FEED, sales control system, Egry Register Co.
UNIVERSAL STRIPPER, stain remover and stripper, H. Kohnstamm & Co., Inc.
UNLOADING CASCADE, laundry washer, American Laundry Machinery Co.
UP-N-DOWN CONVEYOR, call office conveyors,

White Machine Co., Inc.
URBAN, truck bodies, Montpelier Mfg. Co.
URINTROL, urine stain remover, Nu-Horizon Sys-

URINTROL, urine stain remover, Nu-Horizon System
U-SAN-O, drycleaning, double strength mothmildewproofing with built-in deodorant, American Mothproofing Co.
U-SAN-O MOTH-SPRAY, spray mothproofing solution, American Mothproofing Co.
U. S. KOGLON, press pads, sponge, Newhouse Specialty Co., inc.
U. S. MODEL 518-2, sewing machine for drycleaners, U. S. Blind Stitch Machine Corp.
USS STAINLESS, stamless steel, U. S. Steel Co.
USTEX, wire and cable, U. S. Rubber Co.
UTILITY, specially built truck bodies, Utility
Truck Distributors, Inc.

"UCON," fluids and textile lubricants and finishes, Union Carbide Chemicals Co., Div. of Union Carbide Corp.

Carbide Corp.
U-DOR-A. perspiration remover, Nu-Pro Mfg. Co
ULTRA-BLUE, fluorescent blue sour, Keever
Starch Co., Keever Beach Div.
ULTRA-LITE, fluorescent sour, Keever Starch Co.,
Keever Beach Div.
ULTRAMATIC, automatic zeolite water softener,
Elgin Softener Corp.
ULTRAMATIC, fully automatic air-operated drycleaning press, New York Pressing Machinery
Corp.

Corp.
ULTRA-SOL, soap builder, Thompson-Hayward
Chemical Co.
ULTRA-SPEED, laundry drying tumbler, American Laundry Machinery Co.
ULTRA-WITE, fluorescent compound, whitener,
H. Kohnstamm & Co., Inc.
U-MASTER, air operated laundry press, Forse

Corp.
U-MIL-O LMC, laundry mildew control, built-in deodorant, American Mothproofing Co.
UNAFLOW, steam engines, Ames Iron Works
UNDER-TOW-ER, industrial conveyors, Lamson

UNDERWOOD ELLIOTT FISHER, accounting machines, Underwood Corp.
UNDERWOOD SAMAS, punched card accounting machines, Underwood Corp.
UNDERWOOD SUNDSTRAND, adding and accounting machines, Underwood Corp.
UNICOOK, starch cooker, Unimac Co.
UNIDRYER, coin metered and non coin metered laundry tumbler, Unimac Co.
UNIFILTER, water filter, Unimac Co.
UNIFILO, drycleaning washer, Western Laundry Machinery Co.
UNIFICOW, water softeners and condition mechanical filters.

W, water softeners and conditioners, nical filters, water supply pumps, Uni-

mechanical filters, water supply pumps, con-flow Mig. Co.
UNIFOAM C, rug and upholstery cleaning deter-gent, Fumol Corp.
UNIHOT, storage water heaters, Unimac Co.
UNILITE, zeolite water softener, Uniflow Mig.

Co.
UNI-MAC, dryer-tumblers, Uni-Mac Co.
UNIMAC SINGLE 100, washer-rinse-extractor
cumbination. Unimac Co. cunhination. Unimac Co.
UNI-MAC SUNFRESHYNER, deodorizer unit for laundry tumblers, Unimac Co.
UNI-MAC TWIN 202, washer-rinse-extractor combination. Unimac Co.
UNIMAC TWIN 500, coin metered washer-rinse-extractor combination, Unimac Co.
UNI-PAC, deaerators, demineralizers, Cochrane

Corp.
UNIPRESS, air-driven laundry presses, sleevers, sport shirt units, Unipress Co., Inc.
UNISOFT'NER, water softener, Unimac Co.
UNISOL, emulsifiers, oils and soaps, Universal Solvent Co.
UNISTEEL, truck delivery bodies, Unisteel Body

UNITAL, linen supply soap, H. Kohnstamm & Co., Inc.
UNITED, laundry cart, U. S. Steel & Wire Co.
UNITED, valves, pressing machine parts, fittings,
United Brass Works, Inc.
UNITED, washable uniforms, United Cotton
Goods Co., Inc.

V-C, feed ribbons, textiles, Virginia-Carolina Laundry Supply Co. V.D., spotter, Adeo, Inc. V & W, assorting reels, V & W Equipment Co. VACO-VALVE, vacuum breaker, Patterson-Kelley Co. Inc. Co., Inc. VACUUMATIC, instantaneous water heater, Al-

Strom Corp.

VALET 1 S & 2 S, parcel post boxes for clothes,
Guardian Better-Fak Corp.

VALET-MATIC, coin operated drycleaning depository, Scotch Equipment Co., Inc.

VALEX, insectice concentrate, Signal Chemical
Mfg. Co., Inc. Mfg. Co., Inc. VAN DYKE SILICA, silien brick, Mexico Refrac-

tories Co.

VANETTE, truck bodies for use on Ford trucks,
Universal Body Sales, Inc.

VANGUARD, 72 hour dial watchman's clock,
Lathem Time Recorder Co.

VANITE, liquid detergent, Adco, Inc.

VAN LINER, vertical pack boxes for clothes,
Guardian Better-Pak Corp.

VA-PER, solvent and plant air cooling, Per Corp.

VA-PERK SAVER, vapor reclaimer, Gross Machiney Co. Inc.

VA-PERK SAVER, vapor recovery units, Excel-chiney Co., Inc.
VAPER-MAT, perk vapor recovery units, Excel-sior Machinery Co.
VAPOR-CLARKSON, puckage type steam gen-erators and hot water heaters, Vapor Heating

Corp.
VAPOR JET, professional portable steam electric iron, Vapor jet Steam Products Inc.
VARA, combination solvent cooler and heater, garment holders and baggers, sweetener powder dispenser, belt holder, shirt boxer, A. G. Vara & Son, Inc.
VARIDEX, alphabetic filing system, Remington

VARIATOR, steam traps, American District Steam

CO., Inc.

VARI-VAC, beating unit, Dunham-Bush, Inc.
VAULTMASTER, fur cleaning and storage equipment, Walter Haertel Co.

VEEDER-ROOT, computing and counting devices,
Veeder-Root, Inc.

VEE-LOK, clutch facings, Revolite Div., Raybestors, Manhathan, Inc.

tos-Manhattan, Inc. VEE-THREE, paste drycleaning soap, Riverside Mfg. Co. VEGETABLE IVORY, buttons, Eureka Button Co. VEL, detergent, Colgate-Palmolive Co., VELAN UNIVERSAL, steam trap, Velan Engi-

VELAN UNIVERSAL, steam trap, venan angneering Co.
VELCO: marking ink and sets, Ink-O Products Co.
VELCO: marking ink and sets, Ink-O Products Co.
VELOOITY STEAM, steam condensate return
system, Forse Corp.
VEL-ODOR, concentrated liquid oder neutralizer,
Caled Products Co., Inc.
VELVA-SOFT, fabric softener, Armour & Co.,
Industrial Soap Dept.
VELVET RAINBOW, combination starch, Hercules Fowder Co., Huron Milling Div.
VELVET SHEEN, rubber base wall paint, Tropical Paint & Oil Co.

cal Paint & Oil Co.
VELVET WHEAT, wheat starch, Hercules Powder Co., Huron Milling Div.
VELVO, wetcleaning soap, Davies-Young Soap

TRADE NAMES VEND-MASTER, dispensers, Automatic Service & Supply Co., Inc.
VENTURA, propeller fans, American Blower Corp., Div. American-Standard
VENTURA FIN, unit heaters, American Blower Corp., Div. American-Standard
VEREWYTE, chlorine powder laundry bleach, H. Fiarman & Sons
VERSABAR, structural system for racks and pipe supports, M-H Standard Co.
VERSI, laundry and wetcleaning textile finishing compound, John T. Stanley Co., Inc.
VERTEX, low-titer soap flakes, laundry, wetcleaning, rug and carpet, Swift & Co., Industrial Soap Dept.
VERTI-VEYOR, floor-to-floor divelening conveyening, rug and carper, combined to the perticular of the perticular VIBRA-SORBER, pipeline vibration absorber. Flexonics Corp.

VIBRATION ELIMINATOR, vibration dampeners, laundry, Anaconda Metal Hose Div., Anaconda American Brass Co.

VIC, drycleaning machinery, Vic Manufacturing VIC. drycleaning machinery, the minimizations, Co.
VIC KOMET, automatic control drycleaning machines, Vic Manufacturing Co.
VICTOR, drill rod, Crucible Steel Co. of America
VICTOR, balata belting, Victor Balata & Textile
Belting Co.
VICTOR, adding machines, calculators (printing),
Victor Adding Machine Co.
VICTOR 10 C L, linen and industrial starch,
Keever Starch Co., Keever Beach Div.
VICTOR+Starch Co., Keever Beach Div.
VICTOR-McCASKEY, cash register, Victor Adding Machine Co.
VICTORY, blue, Minnesota Chemical Co.
VICTORY, drycleaning soaps, Patek & Co.
VICTORY, laundry marking tags, Tagit Co.
VIGIL, TYPE D, diaper antiseptic and deodorant,
Patek & Co., Inc. Patek & Co., Inc. VIGIL, TYPE L, mildew preventative, Patek & VIKE, pipe joint compound, Keystone Lubricating VIKING, intermediate quality, dry press firebrick, Mexico Refractories Co.
VIKING RE-NU-IT, drycleaners pumps, Viking Funp Co.
VIKING, suds, Los Angeles Soap Co.
VIKING, suds, Los Angeles Soap Co.
VIKING, suds, Los Angeles Soap Co.
VIKING, vinyl-coated nylon fabric, F. H. Bonn Co.
VIRGINIA GREENSTONE, non-skid floor surfacing material, soaking and rinsing tubs, wet-cleaning tables, Virginia Greenstone Co. Inc.
VIS-ALL FILE, call office control file, Willco Sales Co. Sales Co.
VISCOR, filter, Weston Electrical Instrument VISCOR, anea, Corp.
Corp.
VISTEX, seals, American Felt Co.
VITEX, drycleaning soaps, Patek & Co.
VIVIDOL LT., drycleaning detergent, Stamford Chemical Co.
VIVIDOL, SF, drycleaning detergent, Stamford Chemical Co.
VIVIOLO. solvent soluble brightener, Stamford Chemical Co.

VIVIGLO, solvent soluble brightener, Stamford Chemical Co.

VIVIPRESS, Bishing compound, steam treating chemical, Stamford Chemical Co.

VIVISIZE, water white solvent soluble sizing, Stamford Chemical Co.

VIVITEX G, water repellent, Stamford Chemical Co. VIVITEX 100 PLUS, water repellent, Stamford Chemical Co.
VIVITROL, moisture control instrument, Stamford Chemical Co.
VOKES, air cleaners, filters, separators, strainers, Drico Industrial Corp.
VOL, spotting agent, Stamford Chemical Co.
VOLTEX, spotting agent, Spix Products Co.
VOLU-METER, flow-responsive proportioning pump, Proportioneers, Inc.
VORCLAY, bentonite clay, American Colloid Co.
VORCLONE, extractors, tumbler, U. S. Hoffman Machinery Corp.
V-S DRIVE, all-electric adjustable speed drive for a.c. circuits, Reliance Electric & Engineering Co. VIVITEX 100 PLUS, water repellent, Stamford Chemical Co. Co., VULCAN, cover cloth, Pittsburgh Waterproof Co. VULCAN, stokers, Canton Stoker Corp. VULCO, V-pulleys, Gates Rubber Co. VULCOMOUNT, sheaves, Gates Rubber Co. VU FAD, shirt package (multiple), Time Savers, Loc.

WACO, diaphragm fluid pump, Perry Company
WALCO, pipe wrench, Walworth Co.
WALDORF, paper hangers, Waldorf Co.
WALLERSTAT, anti-static agent, Wallerstein
Co., Div. Baxter Laboratories, Inc.
WALLERSTEIN MOTH-MILDEW
moth-mildew proofer, deodorizer, Wallerstein moth-mildew proofer, deodorizer, Wallerstein Co., Div. Baxter Laboratories, Inc. WALLHIDE, paint, Pitzsburgh Plate Glass Co., Paint Div. WALSEAL, threadless bronze fitting, Walworth WALWORTH, valves and pipe fittings, Walworth Co.
WARRIOR, tire rebuilding and repair material,
Mohawk Rubber Co.
WASCATOR, small open end washers, laundry,
Pinnacle Products Corp.
WASH-A-WAY, washer, Cook Machinery Co., NasherTTE, open end laundry washer, coin washer and combination washer-extractor, Cook Machinery Co., Inc.

WASHEX, combination drycleaning washer-extractor, Washex Machinery Corp.

WASHEX TUBE FILTERS, solvent filter, Washex Machinery Corp. Machinery Corp.
WASHINE, bleach (sodium hypochlorite), Washine Chemical Corp.
WASHINITE, detergent, Washine Chemical Corp.
WASHMASTER, 25 and 50% automatic washer, Forse Corp.
WASHMOR, nylon laundry nets, Tingue, Brown WASH 'N WEAR, bundle stuffer, Wallerstein Co., Div. Baxter Laboratories, Inc.
WASHOIL, oil treatment for linens, Hutchinson
Products Co. WASHOIL, oil treatment for insens, AutoProducts Co.

WASHOMETER, washing machine recorder,
Huebsch Originators, Div. American Laundry
Machinery Co.

WASHTEX, overall compound, Thompson-Hayward Chemical Co.
WASH-WHIRL, washer-extractor, combination,
laundry, Henrici Laundry Machinery Co,
WATCH-DOC, water meters, Worthington Pump
& Machinery Corp.

WATCH-DOC, abesitos pipe covering, blocks,
Ruberoid Co.

Ruberoid Co.

WATERCHILLERS, refrigeration heat exchangers, water temp. control valves, heat regulating valves, solvent heaters, stills, muck cookers and vapor adsorbers, vic Mfg. Co.

WATER KING, small water supply pump, Peerless Pump Div., Food Machinery & Chemical Corp.

WATERPROOFON PRK, water repellent, Apex Chemical Co. Inc.

WATERPROOFON PRK, water repellent, Apex Chemical Co., Inc.
WATERSPAR, polishing wax, Pittsburgh Plate Glass Co., Paint Div.
WATERWAY, laundry combination washer-extractor, Pantex Mfg. Co.
WATTS, valves and pneumatic products, Watts Regulator Co.
WAYNE, air compressors, pneumatic and hydraulic hoists, hose reels, Wayne Pump Co.
WEARBESTOS, asbestos gloves and mittens, Johns-Manville
WEARTEX, solid woven belting, Victor Balata & Textile Belting Co.
WEATHER-MAKERS, air conditioning, Carrier Corp.

WEATHER-MASTERS, air conditioning, Carrier

WEATHER-PRUF, water repellent, Lustrol Dry-cleaning Products, Div. Patek & Co. WEAVE MASTERS, reweaving services, Weave WEBCO, packaged boilers, Western Boiler Co. WEBCO-RAY, packaged boilers, Western Boiler

WEE-SCOT, high-pressure boiler, Titusville Iron Works Co., Div, Struther Wells Corp. WEIGHT-O-GRAPH 77, automatic scale attach-ment for beam scales, Howe Scale Co. WELDMASTER, platform, Lewis-Shepard Prod-WELPCO, steam valves, discs, Western Laundry

Press Co.
WERKRITE, neutral tallow flakes, powder, Allen
B. Wrisley Co.
WERK'S COLDWATER, built red-oil soap, Allen
B. Wrisley Co.
WESCLENE, liquid break, West Side Corp.
WESCO, dry spotter, prespotter, West Side Corp.
WESOFORM, stain remover, West Side Corp.
WEST COAST, extractors, washers, curtain
stretchers, West Coast Laundry Machinery Co.
WESTERN, laundry and drycleaning tumblers,
washers and extractors, Western Laundry Machinery Co.

chinery Co.
WESTERN, deep well turbine pumps, deep well
turbine pressure systems, Western Pump Co., Ltd. WESTERN, boilers and steam generators, Western

Boiler Co.
WESTERN EAGLE, laundry and drycleaning combination washer-extractors, Western Laun-WESTERN EAGLE, insulary and approximation washer-extractors, Western Laundry Machinery Co.
WESTINGHOUSE, air compressors, Le Roi Co., Subsidiary Westinghouse Air Brake Co.
WESTINGHOUSE, lamps, Westinghouse Electric

WESTINGHOUSE, laundromat, washers, Ald,

WESTON, electrical indicating instruments, Weston Electric Instrument Corp. WESTPORT II, automatic laundry dryer, coin-operated-timer operated, Hoyt Mfg. Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 262.

WEST TEXAS, boilers, water heaters and soften-ers and return tanks, West Texas Marine Boiler

WEST TEXAS, boilers, water heaters and softeners and return tanks, West Texas Marine Boiler
Works, Inc.
WESTVACO, chlorinated solvent (synthetic),
Westvaco Chemical Div., Food Machinery &
Chemical Corp.
WET-AGE, wet spotter, G & G Chemical Corp.
WET-AGE, wet spotter, G & G Carman & Co., Inc.
WETSOL, year tand grease spotter, Merson
Products Co., Inc.
WETSOL, wet or dry spotter, Eaton Chemical &
Dyestuff Co.
WETSOL, wet spotter, Nu-Pro Mfg. Co.
WETSOL, wet spotter, Nu-Pro Mfg. Co.
WETSPO, wet lube base paint remover, Riverside
Mfg. Co.
WETSPO, wet spotter, Adco, Inc.
WETSTYN, synthetic detergent, E. F. Drew & Co.,
Inc.

WETSYN, synthetic detergent, E. F. Drew & Co., Inc.
Inc.
WETTSPOTTER, paint, oil and grease remover, Riverside Mfg. Co.
WETT STOCK CONCENTRATE, moisture dispersant, Lustrol Drycleaning Products, Div. Patek & Co.
WHALEBONE, leather and waterproof leather belting, Charlotte Leather Belting Co.
WHEATEX, combination starch, Hercules Powder Co., Huron Milling Div.
WHEAT-N-CORN, wheat blend-semi-modified starch, Keever Starch Co., Keever Beach Div.
WHEELER WASHER, unloading washer, Ludell Mfg. Co.

Mfg. Co. WHEEL-EZY, hand truck, Rapids-Standard Co.,

MHEELVEYOR, wheel conveyor, Mechanical Handling Systems Inc. WHIRL-SORT, sorting reel, Franklin Mfg. Co. WHIRL-WIND, extractor, Fletcher Works, Inc. WHISK-A-WAY BUNDL-VEYOR, package con-WHISK-A-WAY BUNDL-VETOR, package conveyor, Automatic Specialties, Inc.
WHITE CAP, concentrated liquid blue, Keever Starch Co., Keever Bleach Div.
WHITE CAP, drycleaning soap, Midland Color & Chemical Co.
WHITECO, nylon laundry net, Whitehouse Nylon Decoducts

Products
WHITEEN-100, medium-titer laundry soap, New

WHITEEN-100, medium-titer laundry soap, New South Mfg. Co., Inc.
WHITEGARD, 2-way fabric conditioners for laundries, Pennsalt Chemicals Corp.
WHITEINT, fluorescent dye addition to soaps, Carlton Chemical Co., Inc.
WHITE KING, toilet soap, coco almond soap, coco lemon soap, Inc. Angeles Soap Co.
WHITE LABEL FLAKES, white neutral soap, Keever Starch Co., Keever Beach Div.
WHITE RIBBON, tallow soap, laundry, wetcleaning and rug cleaning, Swift & Co., General Soap Dept.
WHITEX, blueing, Park & Tilford
WHITLOCK, preheaters, Whitlock Mfg. Co.
WHITSON SYSTEM, boiler return systems, Healy-Ruff Co.
WHZ, stain remover, Tower Chemicals, Inc.
W H SERIES, water heater, Portmar Water Heater Co., Inc.

W H SEALES, TOO TO SEALES, WICK Narrow Fabrics Co. WICK, tapes and braids, Wick Narrow Fabrics Co. WILL-BURT, coal stokers, oil burners, gas burners, Will-Burt Co. WILLCO, invoice forms, Willeo Sales Co. WILLCO-VEYOR, call-office conveyor, Willco Sales Co.

Sales Co.
WILLIAMS, laundry and drycleaning machinery,
Williams Laundry Machinery Co., Inc.
WILLIAMS & DAVIS, boilers, condensation return systems, return units, boiler feed-water
systems, Williams & Davis Boiler & Welding

turn systems, return units, botter territories systems, Williams & Davis Boiler & Welding Co., Inc.
WILLYS' JEEP, multi stop delivery van, Willys Sales Corp., Fleet Sales Dept.
WILLYS' JEEP PANEL DELIVERY TRUCK, panel delivery, Willys Sales Corp., Fleet Sales Dept.
WILLYS' UNIVERSAL JEEP, fleet maintenance and service trucks, Willys Sales Corp., Fleet Sales Dept.
WIL-NOR, personalized premiums, shirt bands (premium), Wil-Nor Products
WINDMAKER, wall & roof exhaust type for celling mounted, floor and pedestal fans, Phil Rich Fan Mfg. Co., Inc.
WINDO, cedarized storage bag, Lincoln Bag Co. WINDSOR, non-woven, fiber bonded fabrics, American Felt Co.
WING CLIAMP, collar support, Para-Lux Products
UNING-CHAMPS, banger shields, Para-Lux Products
UNING-CHAMPS, banger shields, Para-Lux Products

WING-GUARDS, hanger shields, Para-Lux Prodwing-Lock, collar support, Para-Lux Products

WING-ROLL, collar support, Para-Lux Products

Co.
WINK, dye stripper, Lustrol Drycleaning Products,
Div. Patek & Co.
WINKLER, stokers, U. S. Machine Corp.
WIR "O" MATIC, extractor, Gross Machinery Co.,

WIZARD, automatic washer control, Norman Control Co. Control Co.
WIZARD, extractors, Hammond Laundry-Cleaning Machinery Co.
WIZARD, laundry net, Southern Mills, Inc.
W/O EMULSIFIER, wetcleaning stock solution,
Adrian Research & Chemical Co.

WOLF, electric cloth cutters, fabric drills, rag cutters, Wolf Machine Co.

W.C., water carrier, Benda Products, Inc. W.D.P., wet or dry prespotter, Warco Laborato-ries, Inc. W.L., true soap for "batch," Caled Products Co.,

W. L., thus heap for Catca, Inc.
W. P. R., wet and dry paint remover, National Cleaners Chemical Mfg. Co.
W & D., gas & oil fired boilers, Williams & Davis Boiler & Welding Co., Inc.

WONDERFOLD, sport shirt protectors, Sutherland Paper Co. WONDER WEAVERS, reweaving damaged cloth-

ing, Wonder Weavers

WONDER WORKER, sewing machine, U. S.
Blind Stitch Machine Corp.

WONDRESS, flatwork ironer pads, Southern Mills,

Inc.

NOCL FLAKES, soaps, silks and woolens, Swift & Co., General Soap Dept.

WOOLZ, a specific woolen soap, Caled Products

Co., Inc.
WORKHORSE, rug scrubber, Certified Chemical
& Equipment Co.
WORK SAVER, drycleaning truck, garment racks,
Time Savers, Inc.
WOVERITE, cover cloth, padding, Lewis National

Corp.
WRAF-O-MATIC, automatic paper cutting and wrapping machine, Rosenthal Mfg. Co.
WRITE-GO, ink eradicator, A. L. Wilson Chemi-

cal Co.
WSP POWDER, water softener, Coastal Chemical

Corp.
WULPRESS, wool press cloth and surface cloth, nylon and wool press and surface cloth, Arms
Textile Mig. Co.
WYANDOTTE, detergents, sours,
Chemicals Corp., J. B. Ford Div.
WY. RUSKO, water conditioners,
Chemicals Corp., J. B. Ford Div.

Y-S-R, yellow stain and run color remover, Riverside Mfg. Co.
YA-DE, mothproof, Crossland Mfg. Co., Inc.
YANKEE, powdered and liquid starch, Gileor Mfg. Co., Inc.
YARMOR, pine oil, Hercules Powder Co., Huron Milling Div.
YARWAY COLOR-PORT, boiler water gages, Yannal-Waring Co.

YARWAY COLOR-PORT, boiler water gages, Yarnall-Waring Co.
YARWAY FINE SCREEN, pipe line strainers, Yarnall-Waring Co.
YARWAY IMPULSE, steam traps and strainers, Yarnall-Waring Co.
YARWAY INVOLUTE, spray nozzles, Yarnall-Waring Co.
YARWAY "REMOTE," liquid level indicator, Yarnall-Waring Co.
YARWAY "SEATLESS," blow-off valves, Yarnall-Waring Co.

YARWAY "SEATLESS, Diowells agent, A. L. Waring Co.
YELLOW-GO, liquid dye-reducing agent, A. L. Wilson Chemical Co.
YELLOW HOOP, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
YELLOW REMOVER, titanium type stripper, Patek & Co.
YELO-LIQUID COLD STRIPPER, stain remover, and stripper, H. Kohnstamm & Co., Inc.
YORK-POWER, burners, generators, York-Shipley Inc.

YOUNGS-PHILADELPHIA, platform trucks and dollies, various sizes, Paul O. Young Co.

11

X-CLEANER PASTE, spot remover, J-G Chemists X. L., built synthetic detergent, Armour & Co., Industrial Soap Dept.
X-L CHARGE, drycleaning detergent, Dixo Co.
XANNO, indelible ink (no heat), Applegate Chemical Co.

AANNO, indentifier in the control of the control of

Y

Y C., unit type stationary compressors, Le Roi Div., Westinghouse Air Brake Co. Y.R. SAFETY STRIPPER, all-purpose dye strip-per, Lustrol Drycleaning Products, Div. Patek & Co. Y-S, air compressors, Le Roi Div., Westinghouse Air Brake Co.

Z-P, silk drycleaning soap for chlorinated solvent systems, Caled Products Co., Inc.
ZACK-O-MIX, concrete floor weld, Peters Co., Div. Toledo Paint & Chemical Co.
ZANZIBAR-CARBON, blues, curtain colors, indelible ink, indelible ink eradicator and thinner, B. Heller & Co.
ZARMITE, foot-power laundry presses, American Laundry Machinery Co.
ZARMO, foot-power laundry presses, American Laundry Machinery Co.
ZARMOETTE, foot-operated laundry presses, American Laundry Machinery Co.
ZE BUTTON WRAP, heavy foil cut for protection of buttons and ornaments during drycleaning, Zimmerman Products
ZE-DRAPE, folder for draperies, Zimmerman Products

Products ZEETONE, paint, oil, grease remover, Riverside

ZEETONE, paint, oil, grease remover, inversion Mfg. Co.

ZE-GLOW, fur cleaning liquid and compound, Zimmerman Products ZE-GO, fuzz ball remover, Zimmerman Products ZEIDLER, perma-pad spring cushion for flatwork ironers, stripping and guide device, Zeidler Mfg. Co., Inc.

ZELAN, durable water repellent, E. I. du Pont de Nemours & Co., Inc.

ZE-LAPEL-KEFEER, Zimmerman Products ZELCO, press and ironer pads, padding press covers, Zeilermayer Supply Corp.

ZELCON, fabric conditioner, E. I. Du Pont de Nemours & Co., Inc.
ZELEC, antistatic agent, E. I. du Pont de Nemours & Co., Inc.
ZEL-TEX, drycleaning soap, hat sixing, paint remover, spotting agents, Zel-Tex Co., Inc.
ZELTEX, press covers, Zellermayer Supply Corp.
ZENITH, electric timers, Zenith Electric Co.
ZENITH, extractors, filters, washers, Billingsly Machinery Co.

ZENITH, extractors, filters, washers, Billingsly Machinery Co.
ZENITH STARCH AID, laundry finishing lubricant, Patek & Co.
ZEO-FLO, softeners, Cochrane Corp.
ZEOLITE, boiler feed-water treatment, National Chemical Sales Co., Inc.
ZEOLITE ALCAE, control treatment, National Chemical Sales Co., Inc.
ZEOLITE AMINE, condensate treatment control of rust and pitting in return lines, National Chemical Sales Co., Inc.
ZEPHYR, extractor, ironer, washer, Hydraxtor Co.
ZERO, combination water softener and iron removers, neutralizers, Zero Water Softener Mfg.
Co.

Co. ZEROSOFT, water softener, iron remover, filter, zeolite, Zero Water Softener Mfg. Co. ZEST, synthetic wetcleaning soap, Adco, Inc. ZETONE, cleaning, glazing fluid, ground wood flour (treated), cloth tumbling bag, Zimmerman Products

Roducts
ZIG-ZAG, power conveyor, Richards-Wilcox Mfg.

Co.
ZIG-ZAG, heat exchangers and reclaimers, David Stout & Sons
ZIP, go-back conveyor, Time Savers, Inc.
ZIF-LUXOR, plastic storage bag, side opening, formal and bridal gown bags, Rassenfoss Bag Co., Inc.
ZIPOLA, lubricant, High Chemical Co.
ZIPON, leather finish, Keystone Aniline & Chemical Co., Inc.
ZIPPER-EASE, stainless lubricant, A, G. S. Co.
ZIPPO, wetcleaning detergent, Benda Products, Inc.

ZIP-R-FLEX, tool kit for repairing zippers, Mars

ZIP-R-FLEX, tool kit for repairing zippers, Mars Tool Co. ZIPSET, continuous and individual business forms, Standard Register Co. ZIP STIK, ink remover, Keystone Aniline & Chem-ical Co., Inc. ZOL, synthetic drycleaning solvent, Stauffer Chem-ical Co.

ical Co.
ZOLVIT, paint, oil and grease remover, Riverside

ZOLVIT, paint, ou and grease transfer of the Mig. Co.
ZONE-AIR, laundry and drycleaning drying tumblers, American Laundry Machinery Co.
ZONEX, chloroform substitute, Fackage Chemical Co., Inc.
ZORIC, synthetic solvent drycleaning unit, American Laundry Machinery Co.
Z-RAY, drycleaning detergent, Delan Co.
ZUCKERBERG, replacement collars and cuffs, laundry bags, nets, press covers, Zuckerberg Co.

Co.

ZUDS, synthetic penetrant-detergent, Caled Products Co., Inc.

ZURON, petroleum solvent drycleaning unit,
American Cleaners Equipment Co., Div. American Laundry Machinery Co.

ZYME, digestive enzyme, Johnson Chemical Industries, Inc.

ZYMO, enzymic spot remover, Keystone Aniline
& Chemical Co., Inc.

Manufacturers

equipment and supply producers listed alphabetically with their mailing addresses

A.A.A. Weaving Service, 1182 Madison Ave., New York 28, N Y. A A Laundry Machinery Co., 1110-12 S. Kedzie Ave., Chicago 12, 111. ABC Collar 'N' Cuff Co., 423 Broadway, New York 13, N. Y.

Abso-Clean Chemical Co., 17325 Lamont Ave.,
Detroit 12, Mich.

A. B. T. Mfg. Corp., 2500 N. Main St., Rockford, AG.S. Co., Muskegon, Mich.
Academy Hanger Co., Inc., 177 E. 123rd St., New
York SS. N. Y.
Ace Fastener Corp., 3415 N. Ashland Ave., Chicago 13, Ill.
Ace Hore & Rubber Co., 1708-14 S. State St.,
Chicago 16, Ill.
Ace Life Step Co., 1708 S. State St., Chicago 16,
Ill. Ill.

Ace Weaving Service, 416 Madison Ave., New York 17, N. Y.

Acme Dye House, Inc., 7606 Carnegie Ave., Cleveland 3, Ohio

Acme Hatters Supply Co., 104-106 Bleecker St., New York 12, N. Y.

Acme Industrial Compounds Corp., 625 S. Goodman, Rochester 7, N. Y.

Acme Industries, Inc., 600 N. Mechanic St., Jackson, Mich.

Acme Sana Co., 951 Third St. Cambridge 42. Acme Soap Co., 251 Third St., Cambridge 42, Activated Soap Co., 320 Fifth Ave., New York 1, N. Y.
Adams Weaving Co., 1123 Republic Bidg., Chi-Address vestving Co., 1125 Republic Brog., Car-cago 4, 1900 W. Main St., Sedalia, Mo. Addressograph-Mulligraph Corp., 1200 Babbitt Rd., Cleveland 17, Ohio Adelman Glove Cleaners, Inc., & Leather Clean-ers, 1607 Devon Ave. & 3757 Fullerton, Chicago, III.
Adhesive Products Corp., 1660 Boone Ave., New York 60, N. Y. Adrian Research & Chemical Co., Inc., Elm &

Pennsylvania Aves., North Wales, Pa.
Advance Floor Machine Co., 128 Industrial Center, Spring Park, Minn. Aerol Co., inc., 1781 Workman St., Los Angeles 31. California Electronics Inc., P. O. Box 6527, Raleigh, N. C.

Raleigh, N. C., Aeroquip Corp., 300 S. East Ave., Jackson, Mich. Aeroquip Corp., 300 S. East Ave., Jackson, Mich. Aerovent tan Co., 700 E. Ash St., Piqua, Ohio Actna Casualty & Surety Co., Hartford, Comp. Aetna Felt Co., Inc., 204 Centre St., New York 4, N. Y.
Air Cooling Engineering Co., P. O. Box 744,
Evanston, III. Ajax Presses, 619 S. Fifth West St., Salt Lake City

1. Utah Juc., 7045 N. Western Ave., Chicago 45, Ill. Aldrich Co., Wyoming, Ill. Alemite Div., Stewart Warner Corp., 1826 Diversey Parkway, Chicago 31, Ill. Alert Boiler & Mig. Co., 9661 Robson St., Detroit 28, Mich. Alertaft Mfg. Co., 27 Hayward St., Cambridge 42, Mass.

Mass.

Allegheny Ludlum Steel Corp., Oliver Bldg., Mellon Square, Pittsburgh 22, Pa.

Allen, R. C., Business Machines, Inc., 678 Front St., N. W. Grand Rapids, Mich.

Allied Equipment Co., 7671 Rogers Ave., Chicago

26. Ill.
Allied Laundry Machinery Corp., Wythe Ave.,
Brooklyn. N. Y. Allied Printing & Stationery Co., Inc., 270 Lafay-ette St., New York 12, N. Y. Alhis-Chaimers Mtg. Co., 1128 S. 70th St., Mil-wauke I, Wisc. Allis, Louis, Co., 427 E. Stewart St., Milwaukee 7, All Sales, 13440 Cedar Rd., Cleveland Heights 18,

Ohio Almore Dye House, 4412-4424 Wentworth Ave., Alrose Chemical Co., Div. Geigy Chemical Corp., P O, Box 1294, Providence I, R. I.
Alton Mfg. Co., 1112 Ross Ave., Dallas 2, Texas Aluminum Co. of America, 640 Guif Bidg., Pittsburgh 19, Pa.
Ambassador Continuous Towel Cabinet Co., 125 N. Mission Rd., Los Angeles 33, Calif.
Amber Mfg. Co., 16220 S. Figueroa St., P. O. Box 366, Gardena, Calif.
Amber School of Reweaving, Box 628, No. Miami Beach, Fla.
American Air Compressor Corp., 48th & Dell Ave., North Bergen, N. J.

North Bergen, N. J. merican Alcolac Corp., 3450 Fairfield Rd., Balti-more 26, Md.

American Aniline Products, Inc., 50 Union Sq., New York S, N. Y. Cos., Inc., P. O. Box 4056, Atlanta, Ga.

Atlanta, Ga.
American Blower Corp., Div., American-Standard,
Detroit 32, Much.
American Cleaners Equipment Co., Div. American
Laundry Machinery Co., Ross & Section Aves.,
Cincinnati 12, Ohio
American Coat Hanger Mfg. & Specialty Co.,
3917-21 W. Jefferson Blvd., Los Angeles 16,
Colif.

American Colloid Co., 363 W. Superior St., Chicago 10, Ill.

American Coolair Corp., Box 2300, Jacksonville 3,

Fia.
American District Steam Co., 455 Bryant St.,
North Tonawanda, N. Y.
American Electrical Heater Co., 6110 Cass Ave.,
Detroit 2, Mich.
American Engineering Co., Armingo Ave. &
Cumberland St., Philadelphia 25, Fa.
American Felt Co., 35 Glenville Rd., Glenville,
Con.

Account Ave., N.W., Washington 16, D. C.

American Hair & Felt Co., 1828 Merchandise Mart. Chicago 54, 111.

American Hatters Supplies, Inc., 9 E. Harrison St.,

Chicago 5, III.
American Institute of Laundering, Joliet, III.
American-La France-Foamite Corp., 100 E. LaFrance St., Elmira, N. Y

American Laundry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio American Mat Corp., 1793 Adams St., Toledo 2, American Mineral Spirits Co., 230 N. Michigan Ave., Chicago I, Ill.

American Monorail Co., 13107 Athens Ave., Cleveland 7. Ohio American Mothproofing Co., 2510 Hampton Ave., St. Louis 10, Mo.

American Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn 8, N. Y. American Paper Band Co., 1361 Heistan Place,

Memphis, Tenn.
American Pressboard Co., Inc., 114 W. 80th St.,
New York I, N. Y.

American Sterilizer Co., 1230 Plum St., Erie, Pa. American Telephone & Telegraph Co., 195 Broad-way, New York 7, N. Y.

American Textile Weaving Co., 5 N, Wabash, Chicago, III. American Water Softener Co., DeHaven Road, West Conshohocken, Pa.

American Wire Form Corp., 265 Grant Ave., Jersey City 5, N. J. Ames Iron Works, Inc., Oswego, N. Y.

Anaconda Metal Hose Div., Anaconda American Brass Co., 698 S. Main St., Waterbury 20, Conn. Analytical Measurements, Inc., 585 Main St., Chatham, N. Y.

Anderson Box & Basket Co., Inc., Henderson, Ky. Anderson Collar Support Co., 1443 E. 120th St., Cleveland 6. Ohio Anderson Specialty Mfg. Co., 5 W. Hunt Rd.,

W. E., Jamestown, N. Y.
nderson, V. D., Co., Div. International Basic
Economy Corp., 1935 W. 96th St., Cleveland 2,

Anderson-Prichard Oil Corp., 1000 Liberty Bank Bldg., Oklahoma City 2, Okla. Andrew Paper Box & Bag Corp., Brooklyn 23, N.Y. Andrew Parts Mfg. Co. Co. Co. Co. N. Y.
Andrew Parts Mfg. Co., 32-70 S1st St., Long
Island City 6, N. Y.
Andrew Technical Service, 11 E. Delaware Pl.,
Chicago 11, 111.
Angelica Uniform Co., 1427 Olive St., St. Louis,

Angelica Uniform Co., 1427 Olive St., St. Louis, 3, Mo., Angle Steel, Inc., Acorn St., Plainwell, Mich. Anscott Dry Cleaning Products, Inc., P. O. Box 566, Industrial West, Clifton, N. J. Anson, Art, Inc., 1901 S. 12th St., Allentown, Pa. Ansul Chemical Co., Marinette, Wisc. Anthony Co., 47-33 Fifth St., Long Island City 1, N. V. N. Y.
Apex Chemical Co., Inc., 225 W. 34th St., New
York 1, N. Y.
11770 Berea Rd., Cleve-

Apex Electrical Mfg. Co., 11770 Berea Rd., Cleveland, Ohio
Apex Rotarex Corp., 1070 E. 152nd St., Cleveland
10. Ohio

10. Ohio
Applebaum, P., Inc., Belfield Ave. & Wister St.,
Philadelphia 44, Pa.
Applegate Chemical Co., 7351 Hamlin Ave.,
Skokie, Ill.
Appliance Service Co., 1821 54th St., Brooklyn 4,

N. Y.
Aqua Electric Scale Control, Inc., 2028 E. 22nd
St., Cleveland 15, Ohio
Aqua-Jet Machine Corp., 225 W. 34th St., New
York 1, N. Y.
Aqua-Sec Corp., 1450 Broadway, New York 18,

N. Y.
Aquatrol, Inc. (Specialties Div.), 689 Milwaukee
Ave., Chicago 22, Ill.
Arabol Mig. Co., 110 E. 42nd St., New York 17, N. Y. Ardmor Chemical Co., 750 Stone St., Oakland S, Cal.

Armen Chemicals, Inc., 630 S. Ashley St., Ann Arbor, Mich. Armite Laboratories, 6809 Broad St., Los Angeles

Armite Laboratories, 6809 Broad St., Los Angeles I, Calif.
Armour & Co., Industrial Soap Dept., 1355 W.
31st St., Chicago 9, Ill.
Arms Textile Mig. Co., 200 Fifth Ave., New York
10, N. Y.
Armstrong Machine Works, 933 Maple St., Three
Rivers, Mich.
Arnoid-Hoffman & Co., Inc., 55 Canal St., Providence B.

dence, R. I.

Aroscent, Inc., P. O. Box 269, Dobbs Ferry, N. Y.

Arrow Fastener Co., Inc., 1 Junius St., Brooklyn
12, N. Y.

Arrow Mig. Co., 2924 Terrace St., Kansas City 41, Mo. Arrow Tank Co., Inc., 18 Barnett St., Buffalo 15.

Art Textile Co., 1405 Walnut St., Highland, Ill. Art lettle Co., 180c., Carbaugh St., West Middle-Scz, Fa.
Asselin, Victor, Fur Co., 412 Eighth Ave., New York I. N. Y.
Associated Crib Diapers Coa., 4747 N. Damen Ave., Chicago 25, Ill.
Atlanta Brush Co., Box 1958, Atlanta 1, Cs.
Atlanta Paper Co., Marietta Ave., Atlanta, Ga.
Atlas Body Co., 4150 E. Thompson St., Philadel-Li. 37 Ba.

phis 37, Pa.

Atlas Powder Co., Concord Pike & New Murphy
Rd., Wilmington 99, Del.

Atlas Steel Products, Inc., 1180 Chico Ave., El Attapulgas Clay Co., 210 W. Washington Sq., Philadelphia 5, Pa.

Aurora Mfg. Corp., 74-76 Wythe Ave., Brooklyn Autographic Register Co., Seventh & Park, Ho-boken, N. J. Automatic Enterprises, Inc., 415 N. Mary St., Lan-caster, Pater

Automatic Paper Box Corp., 1011-25 S. California

Ave., Chicago, Ill.
Automatic Salesbook Co., Willimantic, Conn.
Automatic Service & Supply Co., Inc., 2701 E.
Commerce St., San Antonio 3, Texas

Automatic Specialties, Inc., 242 Walker St., S. W. Atlanta 3, Ca. Automatic Steam Products Corp., 140 W. 31st St., New York, N. Y. Automatic Switch Co., 50-56 Hanover Rd., Florham Park, N. 1. Automation Products, Inc., 3030 Max Roy St., Houston 24, Texas

R

B & C Engineering Co., 2706 Chestnut St., Toledo, Badger Laundry Machinery Co., 3015 S. Herman Badger Laundry Machinery Co., 3013 S. Herman St., Milwaukee 7, Wis.
Bachr Laundry Machine Co., 29 Calumet St., Newark 5, N. J.
Bagcraft Corp. of America, 3900 W. 43rd St., Chicago 32, Ill.
Bailey Meter Co., 1050 Ivanhoe Rd., Cleveland 10, Obio Ohio Bailey, Prihoda & Co., 326 Kalamazoo Ave., Kalamazoo I I. Mich.

Banasch Button & Supply Co., 125 W. Fifth St.,
Cincinnati 2, Ohio

Barber-Colman Co., P. O. Drawer 99, Rockford, all.

Barco Mfg. Co., 1801-15, Winnemac Ave., Chicago 40, Ill.

Barker Mfg. Co., 730 E. Michigan Ave., Battle Creek, Mich.

Barreted Sunligh Paint Co., 10 E. Dudley St., Providence I. R. I.

Barrett Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.

Barlett Label Co., 2135 Fortage St., Kalamazoo 29F, Mich.

Bauer, Samuel, & Sons, Inc., 143 W. 29th St., New York, N. Y.

Beach Soap Co., 17 Mill St., Lawrence, Mass.

Beaver Pipe Tools, Inc., 310 Dana Ave., Warren, Ohio Behrstock, L., Co., 1708-14 S. State St., Chicago Ohio Behrstock, L., Co., 1708-14 S. State St., Chicago 16, Ill. Belnap & Thompson, Inc., 271 Madison Ave., New York, N. Y. Bemis Bro, Bag Co., 408 Pine St., St. Louis 2, Mo. Benda Products, Inc., 120 Potter St., Cambridge 42, Mass.
Bendix Aviation Corp., Flexible Hose Div., U. S. Route 6, Teterhoro, N. J. Benton Sol-Temp Co., 2822 12th Ave., N., Birmingham, Ala. Benwall Mig Co., Inc., 2859 Atlantic Ave., Brooklyn 7, N. Y. Bersen Machine Tool Co., Inc., Radne Unit Springs Div., 189 Franklin Ave., Nutley 10, N. J. Berger Mig, Div., Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio Berlou Mig Co., 421 Monroe St., Marion, Ohio Bernard-Franklin Co., Inc., 3000 E. Hedley St., Philadelphia 37, Ph. Betworth Chemical Co., Waverly St., Farmingham, Mass. ck, L., Co., 1708-14 S. State St., Chicago Bertsch & Co., Cambridge City, Ind. Besley Corp., 4053 Harlan St., Emeryville 8, Cal. Best Coat & Apron Mfg. Co., Inc., 408 E. 59th St., New York 22, N. Y. Best Forms Co., 10 Grace St., P. O. Box 736, Wilmington, N. C. Best Textile Co., 408 E. 59th St., New York 22, N. Y. Bestway Shine Removal Co., Inc., 416 Madison Ave., New York 17, N. Y. Better Packages, Inc., 254 Canal St., Plant No. 2A, Shelton, Conn. Shelton, Conn.

Shelton, Conn.

Bigelow Chemical Products Corp., 98 Bigelow St.,

Quincey 69, Mass.

Bigelow-Sanford Carpet Co., 188 Madison Ave.,

New York 16, N. Y.

Bishop Freeman Co., 1600 Foster Ave., Evanston,

111. Blackmer Pump Co., 1809 Century Ave., S. W.,
 Grand Rapids 7, Mich.
 Blair Hunt Co., 184 McDonald Ave., Albertville, Blenco Co., 885 Flatbush Ave., Brooklyn, N. Y. Bience Co., 655 l'attousin ave., Brookyn, N. 1.
Bock Laundry Machine Co., 3800 Summit, Toledo
11. Ohio
Boiler Engineering & Supply Co., Luc., Manavon
St., Phoenixville, Ph.
Boilettol Corp., 798 Third Ave., Brooklyn 32,
N. Y.
Bomar Laboratories Ltd., Sheridan Rd. at Winona,

Braun, G. A., Inc., 461 E. Brighton Ave., Syracuse, N. Y.
Braun, Philip, N., 2204 Erie Blvd., East, Syracuse 1, N. 1.
Brenew Co., Platteville, Wisc.
Bressler Engineering Service, 509 N. Fourth Ave., P. O. Box 111, Oregon 1, Ill.
Breuer Electric Mfg. Co., 5100 N. Ravenswood Ave., Chicago 40, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Com.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Com.
Brooks, Alfred J., 184 Dent St., West Roxbury, Boston, Mass.
Bros., Wm., Boiler & Mfg. Co., 1057 10th Ave., S.E., Minneapolis 14, Minn.
Brown & Bigelow, Div. Standard Packaging Corp., 1286 University Ave., St. Paul 4, Minn.
Brown & Bigelow, Div. Standard Packaging Corp., 1286 University Ave., St. Paul 4, Minn.
Brown & Zisniel, 6211 N. Bay Ridge Ave., Milwaukee, Wisc.
Brunner Corp., 4767 N. 32nd St., Milwaukee 9, Wisc.
Bryan Steam Corp., Chile Pike, Peru, Ind.
Bryant Heater Div., Affiliated Cas Equipment, Inc., 17325 St. Clair Ave., Cleveland 10, Ohio
Buffalo Meter Co., 2917 Main St., Buffalo 14, N.Y.
Buna, B. H., Co., 7605 Vincennes Ave., Chicago 6, Ill.
Burroughs Adding Machine Co., 6071 Second Ave., Ore.
Butter Engineering Co., 2612 Rousseau St., New Orleans 13, La.

Braun Brush Co., 8833 78th St., Woodhaven 21,

C

C & C Manufacturers & Distributors, Inc., 1201-07 Hord St., Dallas 2, Texas C & H Electric Co., 436 W. Juneau Ave., Milwaukee 3, Wisc.
O. D. Cleaning & Dyeing Co., Davenport, Iowa
dde Paper & Bag Corp., 58 Sedgewick St., Brooklyn 2, N. Y. lyn 2, N. Y. Cadillac Engineering, 5101 Alexander Drive, Fort Wayne, Ind. Caldwell, W. E., Co., 2001 Brook St., Louisville 8, KV.
Caled Products Co., Inc., 4200 Bladensburg Blvd.,
Brentwood, Md.
Calgon Co., Div. Hagan Chemicals & Controls,
Inc., 523 Fourth Ave., Pittsburgh 22, Pa.
California Laundry Equipment Co., 2221 Union
St., Oakland, Cal. Callaway Mills, Inc., 295 Fifth Ave., New York Callette Distributors and Supply, Inc., 539 W. 69th Street, Chicago 21, Ill.

Calusa Chemical Co., 801 E. Macy St., Los Angeles 12, Caitf.

Camp Co., 9300 Sagamar St., Chicago 20, Ill.

Campbell Box & Tag Co., Sample & Guide Sts.,

South Bend 23, Ind.

Campbell, J. A., Co., 645 E. Wardlow Rd., Long

Beach '', Cal. Canton Stoker Corp., 1200 Andrew Pl., Canton 1, Ohio Canvas Specialty Co., P. O. Box 937, Hartford 1, Conn Capital Poster Service, Inc., 449 Broadway, New ork, N. Y.
pel, MacDonald & Co., 30 E. 60th St., New
Ork, N. Y.
y, Philip, Mig. Co., Lockland St., Cincinnati Carey, Philip, Mig. Co., Lockland St., Clacinnati 135. Ohio Carey Bidg., Hutchinson, Kans. Carlton Chemical Co., Inc., 33 Commerce St., New York 14, N. Y.
Carlyle Rubber Co., Inc., 64 Park Pl., New York
7, N. Y. Carnegie-Illinois Steel Corp., Carnegie Bldg., Pitts-Carriegie-lillinois Steet Corp., Cattlegie Lilly., Philsburgh 30, Pa.
Carolyn Chemical Co., 1987 E. Main St., Columbus 5, Ohio
Carousel Sign Co., 420 E. Rose St., Lakeland, Fla.
Carrier Corp., 300 S. Ceddes St., Syncouse, N. Y.
Carry-Rack Co., Ltd., 9525 Irving Fark Rd., Schliler Park, Ill.
Carson Textile Co., 2401 S. Swanson St., Philadel-phia 48, Pa.
Carter's Ink Co., 239 First St., Cambridge 42, Mass.
Caruso, Malis & Worn, 300 W. Washington St.,
Chicago 6, Ill. Carver Pump Co., Hershey & Green Sts., Muscatine, Iowa ash, A. W., Valve Mig. Corp., 666 E. Wabash Ave., Decatur, Ill. Cash, J. & J., Inc., Chestnut St., South Norwalk, Caterpillar Tractor Co., 350 Fifth Ave., New York, N. Y.

Central Brass Mfg. Co., 2950 E. 55th St., Cleve-Central Dyeing Co., 1550 Dickson Ave., Scranton 9. Pa. Central Soap Co., 689 Hampden Ave., St. Paul 4, Minn. Central States Paper & Bag Co., Inc., 5221 Natural Bridge Ave., St. Louis 15. Mo. Centrize, 2224 63rd St., Kenosha, Wisc. Century Electric Co., 1806 Fine St., St. Louis 3, Mo. Century Paper Products Co., 2542 N. Elston, Chicago, Ill. cago, III.

Cepi-American, Inc., 7767 North Ave., River
Forest, III.

Certified Chemical & Equipment Co., 5366 St.

Clair Ave., Cleveland 3, Ohio.

Chace Valve Div., American Laundry Machinery
Co., Norwood Station, Cincinnati 12, Ohio
Chainveyor Corp., 5618 E. Washington Blvd., Los
Angeles 22, Cal.

Challenge Mfg. Co., 7400 E. Bandini Blvd., Los
Angeles 22, Calif.

Challenge Marking Tag Co., 3917-21 W. Jefferson
Blyd., Los Angeles 18, Cal. Angeles 22, Callit.
Challenge Marking Tag Co., 3917-21 W. Jefferson Blvd. Lox Angeles 16, Cal.
Champion Implement Corp., 45 W. 45th St., New York 19, N. Y
Chandler Machine Co., 1000 West St., Ayer., Mass. Change-O-Matic Corp., 660 First Ave., New York 16, N. Y.
Chapman Suede & Leather Refinishers, 1307
Franklin Ave., Wichita, Kans.
Charleston Rubber Co., 23 Stark Industrial Park, Charlotte Leather Belting Co., 314-B E. Sixth St., Charlotte 1, N. C.
Chase Brass & Copper Co., 236 Grand St., Waterbury 20, Conn. bury 20, Conn. Chatillon, John, & Sons, 89 Cliff St., New York 38, N. Y. 38, N. Y.
Chattanooga Pharmacal Co., Inc., 2400 Dayton
Blvd., Chattanooga, Tenn.
Checking System Co., 515 S. Walker St., Columbia, S. C.
Chek Products, Inc., 31 Nassau Pl., East Oranga, N. J.
Chelses Fan & Blower Co., 639 South Ave., Plainfield, N. J.
Chempump Corp., 1300 E. Mermaid Lane, Philadelphia 18, Fa.
Chemstrand Corp., The, 850 Fifth Ave., New
Chemstrand Corp., The, 870 Fifth Ave., New Tork, N. Tuel, Co., Inc., 2721 N. Halsted St., Chicago J, Ill., Chevrolet Motor Div., General Motors Corp., De-troit 2, Mich. Chicago Dryer Co., 2212 N. Pulaski Rd., Chicago 39, III.
Chicago Laundry & Cleaners Supply Co., 1310 E.
75th St., Chicago 19, III.
Chicago New & Used Laundry Equipment Co.,
3128 W. Lake St., Chicago 12, III.
Chicago Pump Co., 2300 Wolfram St., Chicago 18,
Chicago Tump Chicago Transparent, Inc., 4806 W. Chicago Ave., Chicago 51, Ill. Chisholm-Moore Holst Div., Columbus McKinnon Corp., Fremont Ave., Tonawanda. N. Y. Chloral Chemical Corp., 171 Lombardy St., Brook-lon 99, N. Y. lyn 22, N. Y.
Chrysler Corp., Airtemp Div., 1119 Leo St., Day-10B, Ohio
Chyster Corp., Amplex Div., 6501 Harper Ave., Detroit 31, Mich. Chrysler Corp., Amplex Div., 6501 Harper Ave., Detroit 31, Mich. Ciba Co., Inc., 627 Greenwich St., New York 14, N. F.
Cidex Corp., 44 Sherman Ave., Jersey City 7, N. J.
Cidex Corp., 44 Sherman Ave., Jersey City 7, N. J.
Cincinnati Marking Tag & Supply Mfg. Co., 12 E.
Ninth St., Cincinnati 2, Ohio
Cincinnati Repair Service, 418 Race St., Cincinnati, Ohio
Cinti Suede & Leather Cleaners, 8581 Chevlot Rd.,
Cincinnati Chio Cincinnati, Ohio Cissell, W. M., Mrg. Co., Inc., 831 S. First St., Louisville 1, Ky., Clarage Fan Co., North & Porter Sts., Kalamazoo 18. Mich. Clark Mrg. Co., 1890 E. 38th St., Cleveland 14, Clarke Floor Machine Co., 30 E. Clay Ave., Muskegon, Mich. Clayton Mig. Co., 401 N. Temple City Blvd., El Clayton Mtg. Cb., 401 N. Temple City Bivd., Ed.
Monte., Cal. et Co., 18140 James Couzens Highway. Detroit 35, Mich.
Cleaners Sales & Equipment Corp., 135 Kent Ave.,
Brooklyn II, N. Y.
Cleaners Specialties Supplies Ca., 6015 N. Fairfield Ave., Chicago 45, III.
Clear-View Packaging Co., 3218 Stony Island
Ave., Chicago 17, III.
Cleaver-Brooks Co., 326 E. Keefe Ave., Milwaukee 12, Wisc.
Clesco National, Inc., 1844 W. Flagler St., Miami
35, Fla. kee 12, Wisc. Clesco National, Inc., 1844 W. Flagler St., Miami 35, Fla. Cleveland Garment Hanger Co., 8205 Madison Ave., Cleveland 2, Ohio Cleveland Heater Go., 2310 Superior Ave., Cleve-Cleveland Heater Co., 2310 Superior Ave., Cleveland. Ohio
Cleveland Lathe & Machine Co., 5400 Brookpark
Ale., Cleveland 29, Ohio
Cleveland Rug Cleaning Machinery Co., 5616
Hamlet Ave., Cleveland 4, Ohio
Clinton Cora Processing Co., Clinton, Lowa
Clinton Products Co., Clinton 7, Mich.
Clipper Belt Lacer Co., 974 Front Ave., N.W.,
Grand Rapida 2, Mich.
Clopay Corp., Clopay Sq., Cincinnati 14, Ohio

Chicago 40, Ill.
ond Foundry & Machine Co., Manheim, Pa.
onis Bros. Fur Machinery Corp., 312 Seventh
Ave., New York I, N, Y.
onn, F. H., Co., 111 N. Hickory Ave., Arlington
Heights, Ill.
orne, Scrymser Co., 632 S. Front St., Elizabeth,

Rostitch, Inc., Briggs Drive, East Greenwich, R. I. Boston Clip & Tag Co., 48 Grove St., Somerville 44, Mass.

Bostwick-Batterson Co., 315-23 N. 12th St., Philoadelphia 7. Pa. Bostwick Laboratories, 708 Bostwick Ave., Bridgeport 5, Conn.

Bosertown Body & Equipment Co., Third & Walnut Sts. Boyertown, Pa. Walnut Sts. Boyertown, Pa. Chicago 4, Ill.

Clorox Chemical Co., 850 42nd Ave., Oakland 1, Clothes-A-Clean Mig. Corp., 5800 N. W. 2nd Ave., Miami, Fla. Coastal Chemical Corp., 685 River Drive, Carfield, Coates Electric Mfg. Co., 3610 First Ave. S., Scattle 4, Wash. Coat Retainer Co., P. O. Box 7021, San Antonio 10, Texas Corp., 3252 N. 17th St., Philadelphia 32, Pa.
Coe Mig. Co., Bank St., Painesville, Ohio
Comman Mig. Corp., 531 Milwaukee Ave., Chicago 22, Ill
Cole Leather Cleaners of America, 1287 Second
Ave., New York 21, N. Y. Colgate Palmolive Co., 300 Park Ave., New York 22, N Y. College Chemical Co., 16 Brooks Park, Medford, Mass. Colmac Industries, Inc., 119 S. Oak St., Colville, Wash.
Colonial Envelope Co., Inc., 24 East 22nd St.,
New York, N. Y. Colonial Rubber Co., Ravenna, Ohio Colorado Tent & Awning Co., 1842 Lawrence St., Denver 2, Colo.

Denver 2, Colo. Colson Corp., Cedar & Pine Sts., Elyria, Ohio Columbia Appliance Corp., 47-47 35th St., Long Island City, N. Y. Columbia Boiler Co. of Pottstown, Box 230, Pottstown, Fa.
Columbia Laundry Machinery Co., 1313-19 Truman Rd., Kansas City, Mo.
Columbia Sewing Machine Corp., 129-131 W.
22nd St., New York 3, N. Y.
Columbia-Southern Chemical Corp., One Cateway
Center, Pittsburgh 22, Pa.
Columbus Lace Cleaning Co., 49 Greenlawn Ave.,

Columbus, Ohio
Columbus Reweavers, 7651 N. E. Second Ave.,
Miami, Fla.
Combustion Control Corp., 77 Broadway, Cambridge 42, Mass.
Combustioneer Div., Steel Products Engineering Co., 1205 W. Columbia St., Springfield, Ohio
Combustion Engineering Co., Inc., 200 Madison

Commercial Filters Corp., 2 Main St., Melrose 76, New York, N. Y.
Commer Envelope & Paper Co., Inc., 5 E. 17th St., New York 3, N. Y.
Commercial Filters Corp., 2 Main St., Melrose 76, Mass.
Commercial Heater Co., Box 7294, Fort Worth

11. Texas Commercial Investment Trust, Inc., 1 Park Ave., New York 16, N. Y. Competition Chemicals, Box 141, Iowa Falls, Iowa Co Conco Engineering Works, Div. H. D. Conkey & Co., 1900 Crange St., Mendota, III.
Concord Chemical Co., Inc., 205 S. Second St., Eastern J. N. J.
Cone Mills, Inc., 59 Worth St., New York 13, N. Y.
Connolly, J. J., Inc., 487 W. 40th St., New York 18, N. Y.

Connors, P. A., Co., Box 123, Smethport, Ps. Conrad Embroidery Co., 523 30th St., Union City, Co Secu-Tag, Inc., 27 Hooper St., Brooklyn 11,

Container Development Corp., 425 Montgomery St., Watertown, Wisc.
Continental Can Co., 100 E. 42nd St., New York

17, N. Y. mtinental Car-Na-Var Corp., P. O. Box 344, Conway Thread Co., 14720-24 Fenkell, Detroit 27, Mich. Cook Machinery Co., Inc., 4301 S. Fitzhugh, Dal-las 10, Texas

Cook's Adams, Sons, Inc., 5 N. Stiles St., Linden,

Coolidge, John E., Co., 2508 W. Stauson Ave., Los Angeles 43, Calif. Cooper-Bessemer Corp., N. Sandusky St., Mt. Vernon, Ohio Cornell Belting Co., 440 N. Wells St., Chicago 10,

Cornell Paperboard Products Co., Div. St. Regis Paper Co., 1514 E. Thomas Ave., Milwaukee 2,

N. S.C., C. P. S. Highway 1, Newark I, N. J. Coventry Products Co., Inc., 4041 Okalona Rd., Cleveland 21, Ohio Cowles Chemical Co., 7018 Euclid Ave., Cleveland 3, Ohio
Crane Co., 836 S. Michigan Ave., Chicago 5, Ill.
Cravenette Co., U. S. A., 60 Romanelli Ave., South
Hackensack, N. J.

Crawford Fitting Co., 884 E. 140th St., Cleveland, Crescent Belt Fastener Co., 480 Lexington Ave., New York 17, N. Y.

New York 17, N. 1. Crewdson Co., 826 S. Clark St., Chicago 5, Ill. Crecker-Wheeler Electric Mg. Co., Div. Joshua Hendy Iron Works, Ampere, N. Crosby Steam Gauge & Valve Co., 10 Roland St.,

Boston 29, Mass. roton Chemical Corp., 114 Liberty St., New York 6, N. Y. Crown Mig. Co., 1025 N. Sixth St., St. Louis 1,

Crucible Steel Co. of America, P. O. Box 88, Pittsburgh 30, Pa.

Culligan, Inc., 1810 Shermer Rd., Northbrook, Ill. Cummings-Landau Laundry Machinery Co., Inc., 305-17 Ten Eyck St., Brooklyn 6, N. Y.

Cupples-Hess Corp., 4175 N. Kingshighway Blvd., St. Louis 15, Mo. Curry, J. W., Co., 2815 Cummins St., Cincinnati 25, Ohio Curtis Mig. Co., 1905 Kienlen Ave., St. Louis 33, Curtis Mo.

Custom Engineering Co., 3138 W. Slauson Ave., Louis 23, Calif.

Los Augeles 43, Calif.

Custom Fur Service, Inc., Second Ave. at 109th St., Troy, N. Y.

Custom-Helenizing Leather, 310 Prospect St., Trenton, N. J.

Custom Leather Refinishers, 310 Prospect St., Trenton, N. J.

Custom Leather Refinishers, 310 Prospect St., Trenton, N. J.

Cutler-Harmer Leather, 315 M. 104, G. Activ. Cutler-Hammer, Inc., 815 N. 12th St., Milwaukee

15. Visc., Visc., Visc., National U. S. Radiator Corp., 157 E, First St., Oswego, N. Y.

D. & R. Controls, 220 First St., N. E., Cleveland, Tenn.
Dakota Chemical Co., Arberdeen, S. D.
Daniels, C. R., Inc., Daniels, Md.
Darco Dept. (Atlas Powder Co.), 60 E. 42nd St.,
New York 17, N. Y.
Darman Mfg. Co., 1ac., 1410 Lincoln Ave., Utlca, Darman Mtg. Co., and, 12000 Woodruff Ave., N. Y.
Daviell Corp., Ltd., 12000 Woodruff Ave., Downey, Cal.
Downey, Cal.
Davies, D. W., & Co., 1405-16th St., Racine, Wis.
Davies-Foung Soap Co., 705 Albany St., Dayton
1, Ohio
Davis Emergency Equipment Co., Inc., 45 Hal-A. Ohio
Davis Emergency Equipment Co., Inc., 45 Halleck St., Newark 4, N. J.
Davis Engineering Corp., 1604 E. Grand St.,
Elizabeth 4, N. J.
Davis, K. H., Mig. Corp., 2415 E. 23rd St., Los
Angeles IJ, Cal.
Davis Regulator Co., 2863 W. 25th Pl., Chicago
S. III.
Davis-Weil Mig. Co., 931 S. Front St.,
Mamphia S. Tenn Davis-Well Mig. Co., 931 S. Front St., Memphis 3, Tenn. Dean Hill Pump Co., 4000 E. 16th St., Indian-Debothezat Fans Div., American Machine & Metals, Inc., East Moline, Ill. Decatur Pump Co., 2750 Nelson Park Rd., Deca-Deep Rock Oil Corp., 155 N. Clark St., Chicago urk Cleaners, 7110 Blue Ash Ave., Cincin-Ohio 90, Ill. nati, Ohio Defender Instrument & Regulator Co., Boody, Wis. Dejur Electric Works, 124 Bleecker St., New York 12, N. Y. De Kalb Commercial Body Corp., Garden St., De

Kalb, Ill,
Delan Co., 421 E. Fourth South St., Salt Lake
City 2. Utah
De Laval Steam Turbine Co., 853 Nottingham

Way, Trenton 2, N. J.
Dello Products Co., P. O. Box 356, Lanett 2, Ala.
DeLuxe Cleaners & Dyers, 1017 S. Third St.,
Phoenix, Ariz. Poeming Co., Salem, Ohio Denney Tag Co., West Chester, Pa. Denney Tag Co., 300 Howard St., Farraingham,

Mass,
Denominator Co., 261 Broadway, New York,
N. Y.
Detecto Scales, Inc., 540 Park Ave., Brooklyn 5,
N, Y,
Detect Watchclock Corp., 76 Varick St., New York
13, N, Y.
Detroit Belt Lacer Co., 3951 A St., Detroit 16,

Mich.

Detrex Chemical Industries, Inc., 14331 Woodrow
Wilson Ave., P. O. Box 501, Detroit 32, Mich.

Detroit Stoker Co., General Motors Bidg., Detroit,

Mich.
DeVilbits Co., 300 Phillips Ave., Toledo I. Ohio
Devoe & Raynolds Co., Inc., 44th St. & First
Ave., New York, N. Y.
Dewey-Shepard Boiler Co., 1311 N. Capital Ave.,
Indianapolis 2. Ind.
DeWitt Glove Co., 24805 Northwestern Highway,
Debroit Mich.

DeWitt Glove Co., 24865 Northwestern Highway, Detroit, Mich.
Diamond Alkali Co., 300 Union Commerce Bldg., Cleveland 14, Ohio Diamond Chain Co., Inc., 402 Kentucky Ave., Dept. 442, Indianapolis 7, Ind.
Diamond Chemical Co., 720 Clementine St., San Francisco 3, Calli.
Diamond Chemical Co., Inc., Hook Road, Bay-

onne, N. J.
Diamond Metal Products Co., 406 Market St., St.
Louis 2, Mo.

Diamond T Motor Co., 4401 W. 26th St., Chicago 23, Ill. iamond Wire Hanger Co., 844 Carfield Ave., Springdale, Fa.

Springdale, Fa.

Dicalite Dept., Great Lakes Carbon Corp., 612 S.
Flower St., Los Angeles 17, Calif.
Dico Co., 200 S. W. 16th St., Des Moines 5, Iowa
Diehl Mig. Co., Electrical Div. Singer Mig. Co.,
1136 Finderne Ave., Somerville, N. J.
Diem & Wing Paper Co., Gilbert Ave., Viaduct,
Cincinnati 2, Ohio

Dillard Paper Co., 524 Ashe St., Greensboro, N. C. Diperati Mig. Co., 1238 Voskamp St., Fittsburgh 12, Pa.

13, Va.

14, Va.

14, Va.

15, Vo.

17, Va.

18, Va.

18,

Dixo Co., Man, N. J.

N. J.

Dixon Boiler Works, 1625 Naud St., Los Angeles,
Calli.

Calli.

Chausles Corn., 7900 Jos. Campeau

Calif.
Doctor Boiler, Inc., 4307 Main St., Dallas, Texas
Dodge Div., Chrysler Corp., 7900 Jos. Campeau
(Hamtramck), Detroit 31, Mich.
Dodson, Bruce & Co., 28th & Wyandotte Sts.,
Kansas City 41, Mo.
Donnell Co., P. O. Box 84, 81, Joseph, Mich.
Dover Stamping Co., 80 Federal St., Boston 10,

Mass.

Dow Chemical Co., The, Abbott Road Bldg., Midland, Mich.
Draper-Eze Equipment Co., 110-112 E. Sixth St.,
Erie, Pa.

Erie, Pa.

Drayo Corp., 300 Penn Ave., Pittsburgh 22, Pa.

Dresser Mfg. Div., Dresser Industries, Isc., 41

Fisher Ave., Bradford, Pa.

Drew, E. F., & Co., Inc., 15 E. 20th St., New

York 10, N. Y.

Driair Process Machinery Co., Penn & Ruan Sts.,

Philadelphia 24, Pa.

Drico Industrial Corp., 29 Broadway, New York

A N. V.

Drice Industrial Cosp., 25 August 19, 100 Mg. R. N. Y.
Dri. Flo Mig. Co., 642 E. Ten Mile Rd., Haxel Fark, Mich.
Driseal Co., 251 Causeway St., Boston 14, Mass.
Dublife Collar Co., 40 E. 41st St., New York, N. Y. affen Dye Works, 2213 County St., Portsmouth,

Dunham-Bush, Inc., 179 South St., West Hartford, 10, Com., Dune-White Co., S. Jefferson Rd., Whippany, N. J. Da Pont de Nemours, E. J., & Co., Inc., Electrochemical Dept., 1007 Market St., Wilmington

chemicals Dept., 1007 Market St., Wilmington Chemicals Dept., 1007 Market St., Wilmington Duraclean Dealers of America, 8-52 Duraclean Bildg., Deerfield, Ill.

Dura-Lee Corp., 908 Broadway, Kansas City, Mo. Dan William, St., Milwauker

Dura-Tech Chemical Mirs., 126 25th Ave., San Mateo, Calif. Duro Envelope Co., 24 E. 22nd St., New York 10, N. Y.

Dyer C., The, Box 699, Carrollton, Texas
Dyo Chemical Co., 2200 S, Central Expressway,

B

E-Z. Packaging Corp., 5101-15 N. Sheridan Rd., Chicago 40, Ill. Eagle Belting & Leather Co., 1401 Central Parkway, Cincinnati 14, Ohio
Eagle Mig. Co., 25th & Charles Sts., Wellsburg.
W. Va.
Eagle-Picher Co., 900 American Bldg., Cincinnati

Eagle-Picher Co., 900 American Dilig., Laucimant I, Ohio
Easi-Ricen Products, 198 Main St., Toronto 13, Ontario, Canada
Eastern Cyclone Conveyor System, Inc., 876 Van
Houten Ave., Clifton, N. J.
Eastern States Petroleum & Chemical Co., Div.
Signal Oil & Gas Co., 8938 Manchester, P. O.
Box 5008, Houston 12. Texas
Easy Industries, 162 N. Clinton St., Chicago 6, Ill.
Eaton Chemical & Dyestuli Co., 1490 Franklin
St., Detroit 7, Mich.
Ebco Mfg. Co., 401 W. Town St., Columbus, Ohio
Economy Tablet & Paper Co., 1514 W. Lake St.,
Chicago, Ill.

Economy Tablet & Paper Co., 1974. & Compress St., Chattanoga S, Tenn. Eclipse Boiler Div., Manufacturers Rd. & Compress St., Chattanoga S, Tenn. Eclipse Combustion Div., Eclipse Fuel Engineering Co., 1100 Buchanan St., Rockford, Ill. Eclipse Foneer Div., Bendit Avistion Corp., Teterboro, N. I. Economy Hanger Machine & Equipment Co., 3870 El Cajon Blyd., San Diego, Calif. Economy Tablet & Paper Co., 687 W. 14th St., Chicago, Ill.

Chicago, Ill. Econo-Pak Register Co., 1337 E. 27th St., Kansas

City 8, Mo.

Edica Process Dry Cleaners, 166 N. Clinton Ave., Rochester 4, N. Y.

Edelmuth Mig. Chemists, 324 Alden Ave., New Haven 15, Com.

Edmar Chemical Co., 3939 Valley Road, Cieveland 9, Ohio

land 9, Ohio Edwards, Comp., New Britain, Comp., New Britain, Comp., Ledwards, Vincent, & Co., 342 Madison Ave., New York 17, N. Y. Edward Valves, Inc., Subsidiary Rockwell Mfg. Co., 1200 W. 145th St. East Chicago, Ind. Egan Cotton Mills, 866 Murphy Ave., S.W., Atlanta 4, Ga.

Egry Register Co., 429 E. Monument Ave., Dayton 2, Ohio Eleco Div., International Mfg. Co., Inc., P. O. Box 578, Carland, Texts Electric Auto-Lite Co., Instrument & Gauge Div., Champlain St., Toledo 1, Ohio Electric City Dyeing Co., 509 Glenn St., Scranton, Electric City Dyeing Co., 509 Gienn St., Scranton, Pa.
Electric Steam Boller Sales, Div. Wolf Co., Wolf Ave., Chambersburg, Pa.
Electric Storage Battery Co., 42 S, 15th St., Philadelphia 2, Pa.
Electro Chemical Empineering Co., Inc., P. O. Box 27, Bremen Station, St. Louis 7, Mo.
Electro Lift, Inc., 50 Church St., New York 7, N. Y. etronic Machine Co., 919 S. 5th St., Milwaukee 4, Wis. Elgin Softener Corp., 150 N. Grove Ave., Elgin, Elliott Co., Crocker-Wheeler Div., Ampere, N. J. Elliott Co., Crocker-Wheeler Div., Ampere, N. J. Elliott Robert, Fress, Inc., 345 Ludlow St., Stamford, Conn.
Ellis & Waits Products, Inc., P. O. Box 33, Cincinnati 36, Ohio Ellis Drier Co., 2444 N. Crawford Ave., Chicago Emery Industries, Inc., Sanitone Div., 4200 Carew Tower, Cincinnati 2. Ohio Empire Cardboard Corp., S. Main & Maple Sta., Warehouse Point, Conn. Empire Cleaning & Dyeing Works, 622 Hollenbeck St., Rochester 5, N. Y.
Empire Laundry Equipment, Inc., Camillus, N. Y.
Empire Song Co., Ltd., 594 Des Meurons St., St.
Boniface, Manitoha, Canada.
Endriss Chemicals, 940 N. Delaware Ave., Philadelphia 23, Pa. Engineering & Production Specialties, 75 Blanch-

Engineering of Production Specialties, 13 Bianchard St., Jamestown, N. Y.

Epitein's Edoc Process Dry Cleaners, 166 N. Clinton Avo., Hochester, N. Y.

Equilable Paper Bag Co., Inc., 45-50 Van Dam

St., Long Island City I. N. Y.

Eric City Iron Works, 1422 East Avo., Eric, Pa.

Eric Mfg. Co., 4000 S. 13th St., Milwaukee 21, Ernest, F. P., Mfg. Co., 1112 St. Clair Ave., East St. Louis, III. Essick Mfg. Co., 1950 Santa Fe Ave., Los Angeles

Essick Mig. Co., 1950 Santa Fe Ave., Los Angeles 21, Cali. Eure & Co., Box 221, Edgewater, Md. Everett Sales & Equipment Corp., 251 Third Ave., New York 10, N. Y. Ewing Mig. Co., 2545 N. W. 10th St., Oklahoma City, Okla. Ewing, R., & Sons, Inc., P. O. Box 454, Green 15land, N. Y. Excel Products Co., 583 W. Ninth St., Davenport,

Towa Excelsior Machinery Co., 6175 Vermont St., Detroit 8, Mich.

Extrudo Film Corp., 1841 Broadway, New York 23, N. Y. Eyre Co., 7606 Carnegie Ave., Cleveland 3, Ohio

Mill wither, & Co., 100 N. Seventh St., Minness S, Minn. ford Motor Co., P. O. Box 658, Dear-

born, Mich.
Ford Tank Maintenance Co., Inc., 715 E. 136th
St., New York 54, N. Y.
Formula Controls, Inc., 612 W. 26th St., Chicago

apolis 6, Minn.

Pranklin Research Co., 5134 Lancaster Ave.,
Philadelphia 31, Pa.

Fre-Bir-Fac., lac., 576 Van Houten Ave., Cliston,

Fremont Rubber Co., 317 McPherson Highway, Fremont, Ohio French Textile Co., 432 Ave. A, Rochester, N. Y. French Unique Suede Cleaners, 7611 Melrose, Los

Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton 1, Ohio Frontier Chemical Co., Div. Vulcas Materials Co., P. O. Box 545, Wichita 1, Kans.

Ohio Frye, E. B., & Son, Wilton, N. H. Fulton Boiler Works, Inc., P. O. Box 122, Pulaski,

Flexonics Corp., subs. Calumet & Hecla, Inc., E. Devon Ave., Bartlett, Ill. Flinikote Co., 30 Rockefeller Plaza, New York 20, N. 1:
Flow-Master Machine Corp., 634 Dean St., Brouklyn 35, N. 1:
Fluit "N Pull Pillow Service of America, 1845 Hennelm Ave., Minneapolis, Minn.
Flyna & Emrich Co., 301 Holliday St., Baltimore 2, Md. Flyan & Emrich Co., 301 Houses, 2, Md. Foam-Craft Products Co., 1164 S. Main St., Akron

16, III.
Forse Corp., 1500 W. Second St., Anderson, Ind.
Foster-Stephens, Inc., 310 S. Christiana Ave., Chi-

Foxboro Co., 38 Neponset Ave., Foxboro, Mass. Franklin Mtg. Co., 2815 E. Franklin Ave., Minz apolis 6, Minn.

Angeles, Calif.
Freund, Freund & Co., Inc., 102 Franklin St.,
New York 13, N. Y.
Freydberg Bros.-Strauss, Inc., 419 Fourth Ave., New York 16, N. Y. Friend Soap Co., 2114 Southport Ave., Chicago

Fry Bros. Co., 3600 Cardiff Ave., Cincinnati 9,

N. Y.

Fumol Corp., 49-65 Van Dam St., Long Island
City 1, N. Y.

Functional Products Div., Playtime Products, Inc.,
442 N. Detroit St., Warsaw, Ind.

Fur Feel Corp., 231 Eagle St., Brooklyn 22, N. Y.

G & G Chemical Co., 704 W. Broadway, Hope-G & G. Chemical Co., 704 W. Broadway, Hope-well, V&. GMC Truck & Coach Div., General Motors Corp., 860 South Blvd. E., Pontiac 11, Mich. Gabriel Boiler & Fabrication Co., 1428 N.W. 14th Ave., Portland 9. Ore. Galesburg, Canvas Products, 187 W. Losey St., Calesburg, Canvas Products, 187 W. Losey St., Cardner-Denver Co., Gardner Dr., Quincy, Ill. Gardner-Denver Co., Gardner Dr., Quincy, Ill. Galesburg, Ill.
Gardner-Denver Co., Gardner Dr., Quincy, Ill.
Gardner Machinery Corp., N. Andrill Terrace to
Seaboard Railway. Charlotte I. N. C.
Garlington-Hardwick Co., 200 Feachtree Arcade
Bldg., Atlanta 3, Ga. Garment Finishing Equipment Corp., 18 Brattle St., Cambridge 38, Mass. Carment Hanger Co., 2624 Ceraldine St., Los Angeles 11, Calif. August 11, Valli, Gasway Corp., 6463 N. Ravenswood Ave., Chicago 26, Ill. Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Colo.
Caylord Container, Div. Crown Zellerbach Corp.,
111 N. Fourth St., St. Louis 2, Mo.,
Coneral Antiline & Film Corp., Special Products
Sales Div., 444 Madison Ave., New York 22,
N. Y.

N. 1. reneral Boiler Equipment Corp., 2651-53 Gravois St., St. Louis 18, Mo. St., St. Louis 18, Mo.
General Chemical Div., Allied Chemical & Dye
Corp., 40 Rector St., New York 6, N. Y.
General Clarifier Corp., 103 Park Ave., New York
17, N. Y.
General Clarifier Corp., 841 E. 43rd St., Brooklyn
10, N. Y.

10, N. Y. General Cleaners Products Co., 410 N. Kedzie Ave. Cheang 12, 11.

General Control Co., 1200 Soldiers Field Rd.,
Boston 34, Mass.

General Detroit Corp., 2272 E. Jefferson St., Detroit 7, Mich. eneral Dyeing Co., Inc., 818 Dorman St., Indian-apolis 2, Ind.

General Dyestuff Corp., 435 Hudson St., New York 14, N. Y. General Electric Co., 1 River Rd., Schenectady 5, N. Y.

N. I.
Ceneral Electric Co., Air Conditioning Dept., 5
Lawrence St., Bloomfield, N. J.
Ceneral Electric Co., Lamp Dept., Nela Park,
Cleveland, Ohio General Equipment Co., Highway 14 East, Owa-

General Luminiscent Corp., 732 S, Federal St., hicago 5, Ill. eral Metals, Inc., 858 Goldsboro St., Greensboro, N. C.

General Motors Corp., General Motors Bldg., Detroit 2, Mich.

Central Pacific Corp., 1501 E. Washington Blvd.,

Los Angeles 21, Calif.

Central Scientific Equipment Co., 27th & Huntungdon Sta., Philadelphia 32, Pa.

Gerber Mig. Co., 1602 W. Sixth St., Mishawaka,

Ind. Germaclean, Inc., 491 Niagara St., Buffalo I, N. Y. Germain's Inc., Twist-Ems Div., Los Angeles 21, Calif. Giant Wash, Inc., 903 E. Douglas, Wichita 2, Kansas Gibraltar Fabrice, Inc., 254 36th St., Brooklyn 32, Gibraltar Products Co., 945 Atlantic Ave., Brooklyn 38, N. Y. Gifford, H. M., Mig. Co., 2732 B St., Philadelphia 34, Pa. Cilor Mig. Co., Inc., & E. Palinde Ave., Engle-wood, N. I. Glamorene, Inc., 10 E. 44th St., New York 17, N. Y. Clenzip Co., 1428 W. 3rd St., Cleveland 13, Dhio Clidden Co., 11001 Madison Ave., Cleveland 2. Gliss'n Products Co., Inc., 11181 Michigan Ave., Chicago 28, III.
Globe Ticket Co. of New England, 620 Communwalth Ave., Borton 15, Mass.
Globe Weaving Co., 17 N. State St., Chicago, III.
Glove Cleaning Service, 2132 W. 15th St., Cleveland, Ohio
Glover, Bill, Inc., 5204 Truman Rd., Kansas City Glover, Bi 27, Mo. Golden-An 2/, M).

Golden-Anderson Valve Specialty Co., 1232 Ridge Ave., Pittsburgh 33, Pa.

Goldman Mig. Co., 13697 Elmira, Detroit 27, Mich. Mich.
Goldman Pressing Machine Corp., 400 W. Broadway, New York 12, N. Y.
Goodman, A., & Co., 742-46 E. 75th St., Chicago 19. []]. podrich, B. F., Co., 500 S. Main St., Akron 18, Goodyear Tire & Rubber Co., Akron, Ohio Corton Heating Corp., Cranford, N. J. Coulds Fumps, Inc., 300 Fall St., Seneca Falls. Graton & Knight Co., 356 Franklin St., Worcester 4, Mass. Graver Tank & Mig. Co., Inc., 4809 Tod Ave., East Chicago, Ind. East Chicago, Ind. Graves & Marshall Co., 720 E, Monument Ave., Dayton 2, Ohio

Great Eastern Paper Converters, Iso., 38-60 Review Ave., Long Island City 1, N. Y.

Great Laker Latton Copp., 512 5, Flower St., Los
Angeles 17, Cal.

Greaves Machine Yool Co., 2001-17 Eastern Ave.,

Cincinnati 2, Ohio L. Co., Marica Mo.

Cincinnati 2, Oho

Creen, A. P., Fire Brick Co., Mexico, Mo.

Greenville Chemical Co., 133 Bennett St., P. O.

Box 1087, Greenville, S. C.

Greenwald, H. Co., 1340 Metropolitan Ave.,

Brooklyn 36. N. Y.

Greif Broa. Cooperage Corp., Wire Garment

Hanger Div., Pennsylvania Ave., Delaware, Ohio

rimes Co., 2900 Main St., Dallas I, Texas ronauer, M. H., Co., 11 Nettleton, Memphis 2, Gross Machinery Co., Inc., 742 Hertel Ave., Buffalo 16, N. Y.

Guardian Better-Pak Corp., 84 Junius St., Brooklyn Gulf Oil Corp. Gulf Refining Co., 3800 Gulf Bldg., Pittsburgh 30, Pa.
ummed Tape & Devices Co., 1089 Rogers Ave.,
Brooklyn, N. Y. Custin-Kramer Co., 74-80 Cummington St., Boston 15, Mass. Cuth, Edwin F., Co., 2015 Washington Ave., St. Louis 3, Mo.

BB

H. & A. Sizing Co., 323 N. Loomis, Chicago 7, Ill. Hachik Bleach Co., Wynnfield Ave., Philadelphia 31, Pa.
Haertel, Walter, Co., 2840 Fourth Ave., S.,
Minneapolis 8, Minn. Minneapolis 8, Minn. Hagan Corp., 323 Fourth Ave., Pittsburgh 22, Pa. Hall, Amos H., & Sons, 5500 N, Water St., Philadelphia 20, Fa. Hall Mig. Co., Brookline, N. H. Hamilton Caster & Mig. Co., 1637 Dixie Highway, Hamilton, Ohio Hamilton Copper & Bress Works, 820 State Ave., Cincinnati 4, Ohio Hammel-Dahl Co., 247 Richmond St., Providence 3, R. I.
Hammond Laundry-Cleaning Machinery Co., 220
S. 2nd St., P. O. Box 1160, Waco, Texas
Handy Button Machine Co., 2255 S. Rockwell St.,
Chicago 8, Ill.

Fahlok Mills, Inc., 48 Cordier St., Irvington, N. J., Fabricon Co., 8342 S. Prairie Ave. Chicago 19. Ill. Fahir Bearing Co., Booth St., New Britain, Conn. Fairbanks Co., 398 Lafayette St., New York 3. N. F.

Fairbanks Morse & Co., Fairbanks Morse Bldg.,
600 S. Michigan Ave., Chicago S. III.

Fairfield Laboratories, Plainfield, N. J.

Fastik Co., 1106 W. Erie St., Chicago 22, III.

Fawr, Inc., 1183 Jefferson Ave., Buffalo, N. Y.

Federal Motor Truck Co., 5780 Federal Ave.. Detroit, Mich. Felias Tying Machine Co., 3351 N. 35th St., Milwaukee 16, Wis.
Fiarman, H., & Sons, 1443 W. Grand Ave., Chi-Fiarman, H., & Sons, 1443 W. Grand Ave., Chi-cago 29, Ill.
Fieldien Instrument Corp., 2920 N. Fourth St., Philadelphia, Pa.
Filtrol Corp., 3250 East Washington Blvd., Los Angeles 23, Calif.
Firely Abbeston Froducts Co., 175 Bergen St., Newark 3, N. J.
Fischer & Porter Co., 35 Warminster Road, Hatboro, Pa. Fisher Dye Works, 1813 Emmanuel St., Houston, Texas

Fisher, Henry, Replacement Service, P., O, Box
8082, Memphis 4, Tenn.
Fishe Bros. Refining Co., Lubriplate Div., 129
Lockwood St., Newark 5, N. J.

Flash Fast Marker Co., 994 Dover Ave., Akron
20. Ohio
Fleetwood-Airflow Div., E. L. Chrisman Co., 8255
Compton Ave., Los Angeles J. Calif.

Fleischer Mills, Inc., 316 E. Fifth St., Cincinnati
Fletcher Works, Inc., Glenwood Ave. & Second
Co. Br. J. J. L. L. C. 2. Ohio letcher Works, Inc., Glenwood Ave, & Second St., Philadelphia 40, Pa. lexible Steel Lacing Co., 4607 Lexington St., Chicago 44, Ill.

Handy Specialties, 9159 W. Pico Blvd., Los Argeles 35, Calif.

Hansoom, H. F., & Co., 38 Hospital St., Providence 3, R. 1, Co., 630 Gibson St., Kalamazoo Hapman-Dutton Co., 630 Gibson St., Kalamazoo 6, Mich.
Harloff Mig. & Supply Co., P. O. Box 4175, Knob Hill St., Colorado Springs, Colo.
Harris Bros. Mig. Co. Jac., 20-22 Grotan Ave., Cortland, N. Y.
Harris Bros. Mig. Co., Inc., 20-22 Grotan Ave., Detroit 2, Mich.
Hartisoft Co., The., 1407 Park St., Hartford, Conn.
Hauser-Stander Fank Co., 4838 Spring Grove Ave., Cincinnati 32, Ohio
Hayes Garment Co., Life & Carualty Tower, Nashwille 3, Tom.
Hayner Stellite Co., Unit of Union Carbide & Carbon Corp., 30 E., 42nd St., New York 17,
N. Y. Haynes Stellife Co., Unit of Canbon Corp., 30 E., 42nd St., New York 17, N. Y.

Hays Corp., 742 E. Eighth St., Michigan City, ind.

Healy-Ruff Co., 2255 University Ave., St. Paul 4, Minn.

Heinemann Electric Co., Pennsylvania Ave. & Plum St., Trenton 2, N. I.

Heller, B., & Co., 3925 Calumet Ave., Chicago 15, Ill.

Hemingway & Bartlett Mig. Co., 500 Fifth Ave., New York 35, N. Y.

Henlein Bros. Co., Dept. LJ - 205 W. Fourth St., Cincinnati 2, Ohio

Henrici, Fritz, Inc., 20 Maple St., Canton, Mass.

Henrici Laundry Machinery Co., 11 Henrici St., Mattana P. O., Boston 26, Mass.

Henry Hanger Co., of America, 450 Seventh Ave., New York 1, N. Y.

Heppting's Suede & Leather Cleaning, 3469 W. Fourth Ave., Denver, Colo.

Hercules Laundry Machinery Co., Inc., 132-36 W. 124th St., New York 27, N. Y.

Hercules Powder Co., Huron Milling Div., 900 Market St., New York 27, N. Y.

Hercules Powder Co., Huron Milling Div., 900 Market St., New York 27, N. Y.

Hetrick Mig. Co., 1401 Summit St., Toledo 12, Ohio Market St., hillings on the Market St., hillings of the Mig. Co., 1401 Summit St., Toledo 12, Ohio High Chemical Co., Chemical Specialties Div., 1760 N. Howard St., Philadelphia 22, Pa. Hild Floor Machine Co., inc., 1217 W. Washington Blvd., Chicago 7. Ill. Hinz Needle Co., 10018 S. Rhodes Ave., Chicago 26, Ill. Hirsch, Sydney L., Co., 6020 Euclid Ave., Cleveland 3, Ohio. hi-Tone Soap Co., Randolph, Neb. Hobade Associates, P. O. Box 923, New Brunswick, N. J. Hodges, Jack, Specialty Co., 1529 Westheimer Rd., Houston 6, Texas Hoffman International Inc., 107 Fourth Ave., New York 3, N. Y. Hollingsworth & Vose Co., 112 Washington St., East Walpole, Mass. Hoto Mfg. Co., 651-81 20th St., Onkland 12, Cal. Hood Chemical Co., Inc., 80 Rittenhouse Pl., Ardmore, Pa. rioud Chemical Co., Inc., 80 Rittenhouse Pl., Ard-more, Pa. Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill. Hooker Electrochemical Co., Niagara Falls, N. Y. Hooper, Wm. E., & Sons, Woodberry, Baltimore, Md. Md.
Hope Chemical Corp., 545 Mineral Spring Ave.,
Pawtucket, R. I.
Hope Webbing Co., Providence 1, R. I.
Hopkins Equipment Co., 100 Maple Ave., Hatfield,

Hopkins Equipment Co., 100 Maple Ave., Hatheld, Pa.
Horn, A. C., Co., Inc., 10th St. & 44th Ave., Long Island City 1, N. Y.
Horwath, A. A., & Sons, 1002 S. 13th St., Omaha 8, Neb.
House of Plastics Div. Neon Sign Co., Inc., N.
14th at Taylor, Herrin, Ill.
Howe Scale Co., Rutland, Vt.
Hoty Mg. Corp., Forge Rd., Westport, Mass.
Hub Printing Services, 320 N. Euclid Ave., Oak Park, Ill.
Hubinger Co., 801 Main St., Keokuk, Iowa
Hudoon Fur Cleaning Co., 106 Cranston St.,
Frovidence, R. I.
Huebsch Originators, 3726 N. Booth St., Milwauket 1, Wisc.

kee 1, Wisc. Hughes Co., 10 East 99th St., New York 16, N. Y. Hummel Chemical Co., 90 West St., New York 6, N. Y.

N. Y. Hungerford & Terry, Inc., 228 Atlantic Ave., Clayton 8, N. J. Huntington Laboratories, Inc., E. Tipton St.,

Huntington Laboratories, Inc., E. Tipton St., Huntington, Ind. Huron Milling Div., Hercules Powder Co., Dela-ware Trust Bidg., Wilmington 99, Del. Hutchinson Products Co., The, 331 Negley Ave., Butler, Pa. Hydraxtor Co., 7415 St. Louis Ave., Skokie, Ill. Hygrade Button & Supply Co., 19 W. 34th St., New York 1, N. Y.

Identification, Inc., 512 S. Peoria St., Chicago 7, Ilg Electric Ventilating Co., 2850 N. Crawford

Ave., Chicago 41, 111.

Binois Laundry Machinery Mfg. Co., 3128 W.
Lake St., Chicago, Ill.

Imperial Dye House, 3421 Tulane Ave., New Orleans 19, La.

Indiana Dye House, 122-126 State St., Hammond, Ind. Indiana Mig. Co., 1900 E. Main St., New Albany,

Industrial Equipment Co., 361 N. Ada St., Chi-Industrial Equipment Co., 901 N. Aus Gi., Cascago J. Ili.
Industrial Grain Products, Ltd., 741 Talbot St.,
London, Ont., Can.
Industrial Products Co., 2654 N. Fourth St., Philadelphia 33, Pa.
Industrial Specialties Co., 261 Wayne Ave., Dayton 2, Ohio
Indico, Inc., P. O. Box 5033, Tuscon, Ariz.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. V.

Ink-O Products Co., 5101 Monte Vista St., Los Angeles 42, Calif. Innis, Speiden & Co., 117 Liberty St., New York 6, N. Y. Intercontinental Mfg. Co., Inc., P. O. Box 578,

Innis, Speiden & Co., 117 Liberty St., New York 6, N.Y.
Intercontinental Mig. Co., Inc., P. O. Box 578, Garland, Texas
International Boiler Works Co., 500 Birch St., East Stroudsburgh, Pa.
International Engineering, Inc., 1145 Bolander Ave., Dayton I. Ohio
International Harvester Co., Motor Truck Div., 180 N. Michigan Ave., Chicago I. Ill.
International Heavester Co., 1910 Quill St., Indianapolis 7. Ind.
Indianapolis 7. Ind.
International Nickel Co., Inc., 67 Wall St., New York 5, N. Y.
International Nickel Co., Inc., 67 Wall St., New York 5, N. Y.
International St., New York 17, N. Y.
International St., New York 17, N. Y.
International Steed Co., Scranton 2, Pa.
International Steed Wool Corp., 2205 Park Rd., Springfield, Ohio
International Steed Wool Corp., 2205 Park Rd., Springfield, Ohio
International Ticket Co., Scranton Ave., New-ark 4, N. J.
International Ticket Co., 50 Grafton Ave., New-ark 4, N. J.
International Wire Hanger Mig. Co., 2128 W.
Lake St., Chicago 12, Ill.
Invincible Vacuum Cleaner Mig. Co., 14th & Davis Sts., Dover, Ohio
Inweaving Co. of America, 1505 11th St., Wichita Falls. Texas
Ions Exchange & Chemical Corp., 40-50 Leonard St., New York 13, N. Y.
Iowa Soap Co., 316 Valley St., Burlington, Iowa Iron Fireman Mig. Co., 3170 W. 106th St., Cleveland 11, Ohio.
Iselin-Jefferson Co., Inc., 90 Worth St., New York 13, N. Y.

Jacobson, Lawrence, Dye Works, Inc., Oxford Ave., Summerdale & Comly Sts., Philadelphia Jacobson, Lawrence, Dye Works, Inc., Oxford Ave., Summerdale & Comiy Sts., Philadelphia 24. Pa Jackson, Samuel, Mfg. Co., 2518 Erskine St., P. O. Box 5007, Lubbock, Texas Jay-Dee, Inc., Mfg. Chemists, 946 Kenmore Blvd., Akron 14, Ohio Jayson's, Div. Jayson Silk Mills, 5428 Wyalusing Ave., Philadelphia 31, Pa. Jefferson Island Salt Co., Inc., Jefferson Island Bidg., 136 St. Matthews Ave., Louisville 7, Ky. J-G Chemists, 4368 Delmar, St. Louis 8, Mo. Jensen Mfg. Co., Broad St., & Hylton Rd., Pal-myra. N.

myra, N. J.

Johns-Manville, Celite Div., 22 E. 40th St., New
York 16. N. Y.

Johnson Manurille, Celite Div., 22 E. 40th St., New York 16, N. Y.
Johnson Chemical Industries, Inc., 99 Mellor Ave., Baltimore 28, Md
Johnson Corp., 855 Wood St., Three Rivers, Mich.
Johnson Metal Hose, Inc., 10 Sperry, Waterbury 20, Con.
Johnson, S. C., & Son, Inc., Racine, Wisc.
Johnson, W. F., Products Co., 309 Joliet Ave.,
San Antonio 9, Texas
Johnson Bros., Inc., 100 Pine St., Ferrysburgh 1,
Mich.
Johnson & Jennings Co., Div. Pettibone-Mulliken

Mich. huson & Jennings Co., Div. Pettibone-Mulliken Corp., 6917 Bessemer Ave., Cleveland 27, Ohio mac Inc., 6128 N. Woodstock St., Philadelphia Corp., 691. Corp., 6918 N. Woodstock St., 28, 38, Pa. Jordan Corp., 6013 Wiehe Rd., Cincinnati 13, Ohio Juno Cleaner Supplies, Inc., 632 Wythe Ave., Brooklyn 11, N. Y.

K & K, Inc., 16 Sutton St., Lawrence, Mass.
Kaleen Chemical Corp., 241 Church St., New
York 11, N. Y.

Kalter, S. A., Co., 383 Bloomfield Ave., Caldwell, Kandu Chemicals, Inc., 312 7th Ave., New York 1, N. Y. Kato Engineering Co., 1415 First Ave., Mankato, Minn. Minn.
Kaycrest Products, 1426 W. 3rd St., Cleveland
13, Ohio
Kaye & MacDonald, Inc., 11-15 Central Ave., Kaye & MacDonald, Inc., 11-15 Central Ave., West Orange, N. J. Keckly, O. C., Co., 400 W. Madison St., Chicago 6, Ill. 6, fil. Keel, H. C., Co., 7232 N. Western Ave., Chicago neci, H. C., Co., 7232 N. Western Ave., Chicago 45, III. Keeler, E., Co., 238 West St., Williamsport 3, Pa. Keever Starch Co., Keever Beach Div., 538 E. Town St., Columbus 15, Ohio Kee Zipper Corp., 541 W. 34th St., New York 1, N. Y. Kee Zipper Corp., 541 W. 34th St., New York 1, N. Y
Keep Chemical Co., 50 E. 78th St., New York 21, N. Y
Kelco Co., Industrial Div., 75 Terminal Ave., Clark, N. J.
Kelco Engineering, Ltd., 352 Thames St., London, Ont., Can.
Kelley Corp., The, 500 S. Cedar St., P. O. Box 381, Charlotte, N. C.
Kelley Corp., The, 500 S. Cedar St., P. O. Box 381, Charlotte, N. C.
Kellog-American Div., Scaife Co., P. O. Box 10567, Pittsburgh 35, Pa.
Kelmaker Mfg. Co., 311 Sixth Ave., Rochelle, Ill.
Kelvinator Div., Nash-Kelvinator Corp., 14250
Plymouth Rd., Detroit, Mich.
Kenco Chemical Co., Inc., P. O. Box 912, Schenectady 1, N. Y.
Kenite Corp., Harwood Bidg., Scarsdale, N. Y.
Kennedy Car Liner & Bag Co., Inc., Hodell & Prospect Sts., Shelbyville, Ind.
Kennedy Products Co., 9978 Springfield Pike, Cincinnati 15, Ohio

Kennedy Products Co., 9978 Springfield Pike, Cincinnati 15, Ohio
Kenney Softener & Filter Co., 3322-24 Montrose
Ave., Chicago 45, Ill.
Kent Co., Inc., 244 Canal St., Rome, N. Y.
Kentucky Box & Truck Co., Fourth & Alvasia Sts.,
(P. O. Box 463), Henderson, Ky.
Kewanee Boiler Corp., Franklin St. & Q Tracks,
Kewanee, Ill.
Keyes-Davis Co., 110 14th St., P. O. Box 155,
Battle Creek, Mich.

St. (1400 W.), Chicago 7, Ill.

Keystone Chemical Co., 2019 Center St., N. W.,
Cleveland 13, Ohio

Keystone Coat & Apron Mfg. Corp. & Keystone Scent Conditioner Corp., 315 N. 12th St., Phila-delphia 7, Pa.

Keystone Laundry Machinery Co., 411 N. Paulina, Chicago 22, Ill.

Chicago 22, III.

Keystone Paper & Box Co., S. Main & Maple Sts.

Warehouse Point. Conn.

Keystone Tag Co., West Chester, Pa.

Key-Tag Checking System Co., 6509 Hough Ave.,

Cleveland S, Ohio

Kidde. Walter, & Co., Inc., 675 Main St., Belleville 9, N. J.

Kirk & Blum Mfg. Co., 3120 Forrer St., (Oakley),

Cincinnati 9, Ohio

Kirkpatrick Specialties Co., 1731 W. Fulton, Chi-

Kirkpatrick Specialties Co., 7320 Melrose Ave., Kirkpatrick Specialties Co., 7320 Melrose Ave., Los Angeles, Calif. Kirk's Suede & Leather Cleaners, 1731 W. Fulton St., Chicago 12, 111. Kisco Boiler & Engineering Co., 2414 De Kalb St., St. Louis 4, Mo.

Kleanmore Laboratories, Inc., 1926 N. Franklin Ave., Flint, Mich.

Kleentest Laboratories, 940-950 Ohio River Blvd., Pittsburgh 2, Pa., Kletnick, L., & Co., 8842 S. Praire Ave., Chicago 19, Ill.

Kliegman Bros., Inc., 76-01 77th Ave., Glendale, Brooklyn 27, N. Y. Kling "100" Corp., 2840 N. Birch, Franklin Park, Ill.

Klipfel Mfg. Co., 1000 Weller Ave., Hamilton,

Knight, Maurice A., Settlement, Akron 6, Ohio Knitted Padding Co., 105 Chapman St., Canton,

Kohnstamm, H., & Co., Inc., 161 Avenue of the Americas, New York 13, N. Y. Kol Master Corp., P. O. Box 111, Oregon 1, Ill. Kordite Co., Div. Textron Inc., Main St., Macedon, N. Y.

Korff Advertising, Norris Bldg., Grand Rapids 2, Mich. Korfund Co., Inc., Cantiague Rd., Westbury, L. I.,

Kran-Mer Corp., 2433-35 N. Third St., Milwaukee 12. Wisc. Krasan Products, Inc., 1230 Edward St., P. O. Box 1166, Richmond 1, Calif. Kresky Mfg. Co., Inc., 307 Third St., Petaluma, Calif.

Krevit, H., & Co., Inc., 11 Albert St., New Haven 11, Conn. Kriegh, George W., Co., 535 W. 24th St., Upland, Cal. Kuf-Pins Mfg. Co., P. O. Box 958, Clearwater,

Kunkle Valve Co., 119 S. Clinton St., Fort Wayne Kwik-Kover Mfg. Co., 410 N. Kedzie Ave., Chicago 12, Ill.

Ideal Cleaners, 226 E. Pike's Peak Ave., Colorado Springs, Colo. Ideal Industries, Inc., Park Ave., Sycamore, Ill. Ideal Lighting Co., 2219 63rd St., Kenosha, Wisc. Ideal Mfg. Co., Beacon Falls, Conn. Ideal Stencil Machine Co., 102 Iowa Ave., Belle-Ideal Stene

Laclede Stoker Co., 4438 Hunt Ave., St. Louis Lacicde Stoker Co., 4430 Hunt Ave., 55 Abel. 10, Mo.

La France Dye House, 7606-22 Carnegie Ave., Cleveland 3, Ohio

Laidlaw, W. A., Wire Co., Peoria, Ill.

Lakewood Mig. Co., 25039 Center Ridge Rd., Westlake, Ohio

Laily, R., Co., 1729 Greenleaf Ave., Chicago 26, Ill.

III.
Lambooy Label & Wrapper Co., 2129 Portage St.,
Kalamazoo 29F, Mich.
Lamson Corp., 801 Lamson St., Syracuse 1, N. Y.
Lane, W. T., & Bros., Inc., Prospect St., Poughkeepsie, N. Y. III

keepsie, N. Y. Lanning Bag & Specialty Co., 205 Front St., Har-

Lanning Bag & Specialty Co., 205 Front St., Harvard. Ill.
Lano Lustre Suede & Leather Co., 1731 Fulton, Chicago 12, Ill.
Larick Mig. Co., 267 Broadway, New York, N. Y.
Larton Co., 4234 Third Ave., New York, S. N. Y.
Lathen Time Recorder Co., 72 Third St., N. W.,
Atlanta 8, Ga.
Lather, P. M., Mig. Co., P. O. Box 1710, 1411
Ninth St., S. W., Cedar Rapids. Iowa
Laundry Chemicals Co., 4538 W. 130th St., Cleveland 11, Ohio
Laundry Equipment and Engineering Co., 1616
N. Hermitage Ave., Chicago 22, Ill.
Laundry Machinery Div., Jefferson Wood Working Co., 14th & Hill Sts., Louisville, Ky.
Laundry Machinery Div., Jefferson Wood Workcinnati 2, Ohio
Laundry Textile Co., 2450 Ave. E., S. W., Winter
Haven, Fiz.

Haven, F'a. Layne & Bowler, Inc., Box 6697, Hollywood Sta-tion, Memphis 8, Tenn. Leader Iron Works, 2126 N. Jasper, Decatur, Ill. Le Ann Furs, 334 Collinaville Ave., East St. Louis,

athers', L. M., Sons, 675 Pulaski St., Athens, Ga. ebaw Mfg. Co., 65 Wayne Ave., Youngstown Leathers, L. M., Sons, O.O. Pullski St., Allegard, Leebaw Mg. Co., 65 Wayne Ave., Youngstown 2, Ohio Lee Coaverters, Inc., 28 W. 23rd St., New York 10, N. Y. Leef Bros., Inc., 205 Irving Ave., N. Minneapolis 5. Minn. Le Fevre Chemical Co., 1708 W. Main St., Oklahoma City, Okla. Leffel, James, & Co., 426 East St., Springfield, Ohio.

Ohio Leprechaun, Inc., 475 Fifth Ave., New York 17, N. Y. Le Roi Div., Westinghouse Air Brake Co., N. Main & Russell, Sidney, Ohio Leslie Co., 297 Grant Ave., Lyndhurst, N. J. Lestoil Products Inc., 51 Garfield St., Holyoke, Mass.

Mass. Lever Bros. Co., 390 Park Ave., New York 22, N. Y. N. Y.
Lewis, G. B., Co., 926 Montgomery St., Water-town, Wisc.
Lewis Invisible Stitch Machine Co., 129 W. 22nd St., New York, N. Y.
Lewis National Corp., 1 Mt. Vernon St., Dorchester 25, Mass.
Lewis, Philip L., Co., 24 Lyons Ave., Newark 12,

Lewis, Philip L., Co., 24 Lyons Ave., Newark 12, N. 1.

Lewis-Shepard Products, Inc., 307 Walnut St., Watertown 72, Mass.

Liberty Marking Tag Co., Inc., Terminal Drive, Plainview, N. Lieberman, B. & G., Co., Inc., 1011 Sewickley Drive, Charlotte 3, N. C.

Lity, David, Box 167, Long Beach I, Cal.

Lincoln Bag Co., Inc., 4200 W. Schubert Ave., Chicago 39, Ill.

Lincoln-Hudson Rug Dyers, Inc., 900 Passaic Ave., East Newark, N. 1.

Lincoln Research, Inc., 3250 Montrose St., Toledo 6, Ohio 6, Ohio incoln Rug Co., Inc., 85 Springdale Ave., New-ark, N J.

ark, N. J. Lincoln-Schluetter Floor Machinery Co., Inc., 512 S. Peoria St., Chicago, Ill. Lindy Sales Co., 9801 W. Jefferson Blvd., Culver Lindy Sales Co., 5001 W. Joseph C., 5001 W. Joseph C., 5001 W. Joseph C., 5001 W. J., 175 Fifth Ave., New York 10, N. Y. Link-Belt Co., 307 N. Michigan Ave., Chicago 1, 110 June 1, 110 J

Linn Coach & Truck Div., Great American Indus-tries, inc., 443 Chestnut St., Oneonta, N. Y. Little Frenchman's Dye Works, 921 N. 25th St.,

Little Frenchman's Dye Works, Wat A. A. A. Wat Co., Waco, Texas Little Scot Inc., 9487a Watson Industrial Park, St. Louis 26, Mo. Livingston, Edward, & Sons, Inc., 1735 Walnut St., Kansas City 8, Mo. Livingstone Engineering Co., 100 Grove St., Worcester 5, Mass. Loebl Dye Works, Inc., 348 W. Salem Ave., Beanste Va.

Loebi Dye Works, Inc., 240 W. Salati Roanoke, Va. Lookout Boiler & Mfg. Co., Manufacturers Rd. & Compress St., Chattanooga 5, Tenn. Loroco Industries, Inc., 203 E. Benson St., Reading 15, Ohio as Angeles Soap Co., 617 E. First St., Los Angeles Calif.
ouden Machinery Co., 607 W. Broadway, Fairfield, Iowa

New York 18, N. Y.

Loyal Textile Machinery Corp., 280 Scholes St., Brooklyn, N. Y. Lubbock Machine Co., Inc., Box 1138, Lubbock,

Lucas, Claude E., Associates, 880 E. Colorado, Pasadena, Calif.
ncas Products Corp., 3839 Seiss Ave., Toledo 12, Ohio Ludell Mig. Co., 5200 W. State St., Milwaukee 8,

Ludell Mfg. Co., 5200 W. State St., Milwaukee 8, Wisc.
Luccke Drapery Pleating Machine Co., 4831 N. Western Ave., Chicago 25, Ill.
Lunkenheimer Co., P. O. Box 360, HH, Cincinnati 14, Ohio
Luse, Wm. K., & Co., Lakeview, Ohio
Lustrol Drycleaning Froducts Co., 1600 16th St.,
San Francisco 1, Calit.
Lynch, John J., Co., 4702 E. 50th St., Los Angeles 58, Calif.

Me

McBee Co., 295 Madison Ave., New York, N. Y. McCleary Brothers, Inc., 147 Auction St., Memphis, Tenn.
McDonnell & Miller, Inc., 3500 N. Spaulding Ave., Chicago 18, Ill.
McElmoyl, W. J., Co., 63 Church St., Groveville, N. I. N. J.
McLay, Walter J., 1105 N. Water St., Milwaukee
2, Wisc.

M

M & B Metal Products Co., 4415 Morris Ave., Birmingham, Ala. M-H Standard Co., 518 Communipaw Ave., Jersey City 4, N. J. M & M Chemical Co., 1559 W. Main St., Willi-M & M Chemical Co., 1559 W. Main St., Wannantic, Conn.
Mass, A. R., Chemical Co., Div. Victor Chemical
Works, 4570 Ardine St., South Gate, Calif.
MacCarl Co., Inc., 4842 Pearl Rd., Cleveland 9, MacDonald Services, 8519 Germantown Ave., Philadelphia 18, Pa. Mack Trucks, Inc., 850 Fifth Ave., New York 1, Mackler, B., & Sons, 155 W. 27th St., New York 1, on Products Co., 105 16th St., Toledo 2, Ohio
Mafe Corp., 53-07 Van Dam St., Long Island City
1, N. Y.
Magic Plastic Co., Ltd., 310 W. 93rd St., New
York, N. Y.
Magic Re-Weaving Service, 28 W. Second St.,
Salt Lake City, Utah
Magic-Seal Packaging Products, 383 E. Hudson
St., Columbus 1., Ohio
Magic Textile Weavers, 948 W. McNichols Rd.,
Detroit 3, Mich.
Magiline, Inc., Fencoming, Mich.
Magiline, Inc., Forcoming, Mich.
Mallinckrodt Chemical Works, Second & Mallinckrodt Sts., St. Louis 7, Mo.
Mallinckrodt Chemical Works, Second & Mallinckrodt Sts., St. Louis 7, Mo.
Manitowoc, Wis.
Manitowoc, Wis.
Manitowoc, Wis.
Marclene Chemical Corp., 225 Warwick Ave.,
Buffalo 15, N. Y.
Marclene Chemical Corp., 225 Warwick Ave.,
Buffalo 15, N. Y.
Marclene Chemical Foundry & Supply Corp., 90
West St., New York, N. Y.
Market Industries, Inc., 1900 16th St., San Francisco 1, Calif.
Market Corp., 17 W. 60th St., New York 11,
Market Corp., 453 W. 17th St., New York 11, Ohio Mats Corp., 53-07 Van Dam St., Long Island City Mark-Tex Corp., 453 W. 17th St., New York 11, N. Y. Marlow Pumps, Div. Bell & Gossett Co., Box 200, Midland Park, N. J. Marlyn Chemical Co., Inc., P. O. Box 407, Lake-Mariya Chemical Co., Inc., 1511 W. Washing-ton St., Indianapolis 7, Ind. Marsh, Jas. P., Corp., 2073 Southport Ave., Chi-cago 14, Ill. Marshall Co., 4350 N. Pulaski Rd., Chicago 41, Marshall Heater Co., 716-26 E. Monument Ave., Dayton 2, Ohio Martens Chemical Corp., 243 Clinton Ave., Kings-Martens Chemical Corp., 243 Clinton Ave., Kingston, N.Y.
Martin Equipment Co., Div. American Laundry
Machinery Co., 5050 Section Ave., Cincinnati
12, Ohio
Martin Fan & Blower Co., 4632 W. 21st Pl.,
Chicago 50, Ill.
Martin, Reba, Inc., 4201 N. W. Second Ave.,
Miami 37, Fla.
Marvel Mig. Co., 113 Live Oak St., San Antonio
5, Texas Marvella Corp., 2019 Center St., N. W., Cleve-land 13, Ohio Mason-Neilan Regulator Co., 1190 Adams St., Boston 24, Mass. Master Bulders Co., 7016 Euclid Ave., Cleveland

Master Builders Co., 7016 Euclid Ave., Cleveland 3, Ohio
Master-Bilt Retrigeration Mig. Co., 920 Palm St., St. Louis 7, Mo.
Master, Goo., Div., Ligonier, Ind.
Master Machinery Co., Anderson, Ind.
Master Mig. Co., 119 Main St., Sioux City 2, Iowa Master Mig. & Equipment Co., 3000 St. Louis, Fort Worth 1, Texas
Master Products Co., 7000 S, Wentworth Ave., Chicago 21, Ill.
Maxant Button & Supply Co., 117 S, Morgan St., Chicago 7, Ill.
Mayant Button & Supply Co., 2484 Raleigh Dr., Nork, Pa.

York, Pa. lead, George E., Co., 11240 S. Arroyo Dr., Whit-tier, Calif. tier, Calif.

Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co.,
P. O. Box 223, Bridgeport, Pa.

Medalie Mfg. Co., 213 First Ave., N., Minneapolis 1, Minn.

1, Minn. Meese, Inc., 108 St. Michaels Ave., Madison, Ind. Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit 12, Mich. Mehl Mig. Co., 2057 Reading Pl., Cincinnati 2, Ohio Melody Cleaners, 500 W. Grand, Oklahoma City, Okla.

Melrose Packaging Corp., 61-48 Fresh Meadow Lane, Flushing 65, N. Y.

Memphis Hanger Co., 14th & P. & L. E. R. R.,

Monaca, Pa.

Monaca, Pa. Menasha Wood Split Fulley Ce., 674 Tayco St., Menasha, Wisc. Mendex Corp., 2300 Payne Ave., Cloveland 14, Ohio Mercury Cleaning Systems, Inc., 1817 Benson
Ave., Evanston, Ill.
Merson Products Co., Inc., 75 Montgomery St.,

Jersey City, N. J.
Metalweld, Inc., Scotts Lane & Abbottsford Ave.,
Philadelphia 29, Pa.
Metropolitan Body Co., 151 Kossuth St., Bridgeport 8, Conn.
Mexico Refractories Co., Love & Cole Sts., Mexico, Mo. Meyercord Co., 5328 W. Lake St., Chicago 44,

Meyercord Co., 5020 W. Lase Co., 111.
Middlesex Paper Tube Co., Inc., 345 Cheimsford St., Lowell, Mass.
Midland Color & Chemical Co., 15 Greene St., Jersey City 2, N. J.
Midland Paint & Varaish Co., 3828 E. 91st St., Cleveland 5, Ohio
Midwest Hanger Co., 2100 Guinotte Ave., Kansas
City 20, Mo. City 20, Mo. Midwest Machinery Co., Box 709, El Reno, Okla. Miller, Geo., 358 Dundas St., Woodstock, Ont.,

Can.
Miller Laundry Machinery Co., 8341 Lyndon
Ave., Detroit 38, Mich.
Miller, Louis, Co., 296 E. South St., Akron 11,

Ohio
MIL National Corp., 1101 E. Tremont Ave., New
York 60, N. Y.
Milwaukee Leather Belting Co., 1114 N. Water
St., Milwaukee 2, Wisc.
Milwaukee Printed String Co., 2604 W. Fond du
Lac Ave., Milwaukee 6, Wisc.
Mine Safety Appliances Co., 201 N. Braddock
Ave., Pittsburgh 8, Pa.
Minneapolis-Honeywell Regulator Co., 2747
Fourth Ave., S., Minneapolis 8. Minn.
Minnesota Chemical Co., 2285 Hampden Ave., St.
Paul 14, Minn.

Minnesota Chemical Co., 2285 Hampden Ave., St. Paul 14, Minn.
Minnesota Mining & Mfg. Co., 900 Bush Ave., St. Paul 10, Minn.
Mint Personnel Specialists Agency, 111 W. 42nd St., New York 36, N. Y.
Mitchell, J. B., Co., 4916-28 W. Jefferson Blvd., Los Angeles 18, Calif.
Modine Mfg. Co., 1557 De Koven Ave., Racine, Wisc.
Mohawk Rubber Co., 1285 Second Ave., Akron 5. Ohio 5. Ohio

5. Ohio Monarch Engineering Co., 500 Linden Ave., Day-ton 3, Ohio Monite Co., Inc., 2510 Hampton Ave., St. Louis

Monite Co., Inc., 2510 Hampton Ave., St. Louis 10, Mo. Monix Co., 277 Greenbay Rd., Wilmette, Ill. Monroe Calculating Machine Co., Inc., 555 Mitchell St., Orange, N. J. Monroe Co., Inc., 10703 Ouebec Ave., Cleveland 6, Ohio Montpelier Mfg. Co., Montpelier, Ohio Montpelier Mfg. Co., Montpelier, Ohio Monre Business Forms, Inc., 900 Buffalo Ave., Niagara Falls, N. Y. Moore Co., 500 S. Missouri Ave., Marceline, Mo. Moore's Time-Saving Equipment, Inc., 1984 Sterling Ave., Elkhart, Ind. Moran Paint Co., P. O. Box 193, Xenia, Ohio. Morehead Mfg. Co., 2455 W. Warren Ave., Detroit S. Mich. Machinery Corp., 5999 E. 56th, Indianapolis. Ind. Morheat Corp., 700 E. Kalamazoo St., Lansing 12, Mich.

Morheat Corp., 700 E. Kalamazzo St., Lansing 12, Mich. Morse Display Cases, 627 11th St., Wilmette, III. Morse Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y. Moser Bag & Paper Co., 3049 E. 55th St., Cleveland 27, Ohio Mount Verson Mills, Inc., 40 Worth St., New York, N. Y.

Mulholland-Harper Co., 5820 Tacony St., Phila-Mulholland-Harper Co., 5820 Tacony St., Philadelphia 24, Pa.
Multi-Clean Products, Inc., 2277 Ford Parkway,
St. Paul I. Minn.
Multi-Counter Mfg. Co., 401 Broadway, New York
13, N. Y.
Murray, D. J., Mfg. Co., 1002-24 Third St.,
Wausau, Wisc.
Mutual Paper Box Co., Inc., 510 W. 27th St., New
York I, N. Y.
Myer, Henry, Thread Mfg. Co., 319 W. Van-Buren
St., Chicago 7, Ill.

N

Nagel Coat Hanger Co., 1200-18 Oliver St., Houston 7, Texas Na-Gro Sales, 220 Greenfield Ave., Newark, Ohio Namoo Chemical Corp., 4765 Bellevue Ave., De-troit 7, Mich. Nashua Corp., 44 Franklin St., Nashua, N. H. Nashua Textile Co., Empire State Bidg., New York 1, N. Y. 1, N. Y.
National Airol Burner Co., Inc., 1284 E. Sedgley
Ave., Philadelphia 34, Pa.
National Aluminate Corp., 6233 W. 66th Place,
Chicago 38, Ill.
National Aniline Div., Allied Chemical & Dye
Corp., 40 Rector St., New York 6, N. Y.
National Boiler Protector Co., 928 Reibold Bldg.,
Dayton 2, Obio
National Bundle Tyer Co., Dept. 10, Blissfield,
Mich. Mich. National Cash Register Co., Main & K Sts., Dayton 9, Ohi 9, Ohio
National Chemical Sales Co., Inc., 414-16-18 Sixth
St., N.W., Atlanta, Ga.
National Cleaners Chemical Mfg. Co., 2800 W.
Lake St., Chicago 12, Ill.
National Combustion Co., 101-06 43rd Ave.,
Corona 68, N. Y.
National Dryer Mfg. Co., 2500 60th St., Kenosha,
Wisc. National Dryer Mig. Co., 2500 60th St., Kenosha, Wisc.
National Dye House, 5812 W. Washington Blvd., Culver City, Calif.
National Dye Works, Inc., 3513 Washington Blvd., Baltimore 22, Md.
National Engineering & Mig. Co., 16th & Lamine, Sedalia, Mo.
National Hatters Supply Co., Inc., 81 W. Van Buren St., Chicago 5, Ill.
National Indemnity Exchange-National Fire Insurance Exchange, 3820 Washington Blvd., St. Louis 8, Mo.
National Institute of Drycleaning, Silver Spring, Md. National Institute of Drycleauing, Silver Spring, Md.

National Life Insurance Co., Montpelier, Vt.
National Marking Machine Co., 4026 Cherry St., Cincinnai 23, Ohio
National Paper Band Co., P. O. Box 126, Denver 1, Colo.

National Paper & Type Co., 120 Wall St., New York S, N. Y.
National Paper at Type Co., 120 Wall St., New York S, N. Y.
National Paper Services, 615 E. Main St., Richmond 19, Va.
National Repair Services, 615 E. Main St., Richmond 19, Va.
National Starch Products, Inc., 125 Amory St., New York 17, N. Y.
National Starch Products, Inc., 270 Madison Ave., New York 17, N. Y.
National Starch Products, Inc., 270 Madison Ave., New York 17, N. Y.
National Steam Pump Co., 701 W. Johnson, Upper Sandusky, Ohio
National System of Garage Ventilation, Inc., National Textile Chemical Co., 1984 E. 83rd St., Cieveland, Ohio
National Textile Conservation Div., Research Laboratories, Sherron Acres, Durham, N. C.
National Truck Leasing System, 23 E. Jackson Blvd., Chicago 4, Ill.
Naugatuck Mig. Co., 35 S. 5th St., Waterbury 8, Conn.
Necchi Sewing Machine Sales Corp., 164 W. 25th Conn. Necchi Sewing Machine Sales Corp., 164 W. 25th Necchi Sewing Machine Sales Corp., 164 W. 25th St., New York I. N. Y.
Neon Sign Co., Inc., House of Plastics Div., N. 14th at Taylor, Herrin, Ill.
Neva-Clog Products, Inc., 506 Logan St., Bridgeport I, Conn.
New Departure, Div. General Motors Corp., Bristol, Conn.
New England Business Service, Riverbank Terrace, Townsend, Mass. Bristol, Conn.

New England Business Service, Riverbank Terrace,
Townsend, Mass.

New England Trawler Equipment Co., 301 Eastern Ave., Chelsea 50, Mass.

Newhouse Specialty Co., Inc., 3827 San Fernando
Rd., P. O. Box 1289, Glendale 4, Calif.

New London Engineering Co., 1700 Division St.,
New London, Wisc.

New South Mfg. Co., Inc., 711 Bankhead Ave.,
N. W., Atlanta, Ga.

New York Belting & Packing Co., 1 Market St.,
Passnic, N. J.

New York High Grade Button Works, 3569 Broadway, New York 31, N. Y.

New York Pressing Machinery Corp., 880 Broadway, New York 31, N. Y.

New York Telecoin Corp., 12 E. 44th St., New York 17, N. Y.

New York Twine Corp., 110 Murray St., New York, N. Y. N. Y.
Nice Ball Bearing Co., 30th St. & Hunting Park
Ave., Philadelphia 40, Pa.
Nicholson, W. H., & Co., 12 Oregon St., WilkesBarre I., Pa.
Nicholson, Will., Laboratories, 2971 W. Davidson, Detroit, Mich.
Nissen, John P., Ir., Co., Glenside, Pa.
No-Darn Co., 618 N. Wells St., Chicago 10, Ill.
Nopco Chemical Co., Iac., First & Essex Sts.,
Harrison, N. J.
Norjae Foam & Fabric, 819 N. W. 23rd St., Oklahoma City, Okla.
Norman Control Co., 5454 W. Higgins Ave., Chicago 30, Ill. Norman Control Co., 5454 W. Higgins Ave., Chicago 30, Ill.
North American Dye Corp., 22 North St., Danbury, Conn.
North American Electric Lamp Co., 1090 Tyler
St., St. Louis 6, Mo.
North American Maestrelli, Inc., 14 Hamilton St., Saugus, Mass.
North American Mfg. Co., 4533 E. 71st St., Cleveland, Ohio
North Coast Chemical & Soap Works, 6307-21
17th Ave., S., Seattle 8, Wash.
Norton & Williams, Inc., 608 North Ave., Westfield, N. J.
Nuodex Products Co., Inc., 830 Magnolia Ave.,
Elizabeth, N. I. Saugus, Mass Nu-Horizon System, 311 N. Chadbourne St., San Angelo, Texas Nu-Horizon System, 311 N. Chadbourne St., San Angelo, Texas Nu-Fro Mfg. Co., 10700 Kahlmeyer Drive, Creve Coeur, St. Louis 32, Mo.
Nutting Truck & Caster Co., 1125 W. Davidson St., Fairbault, Minn.
Nu-Way Tailors, 119-10 Merrick Blvd., Jamaica 34, N. Y.
Nycoo Products Co., 110 W. 29th St., New York 1, N. Y.
Nylonet Corp., 2075 N. W. 75th St., Miami 47, Fla. clonet Corp., 2075 N. W. 75th St., Miami 47,

O P W Corp., Jordan Corp., Industrial Sales Div., 6013 Wiehe Rd., Cincinnati 13, Ohio Oakite Products, Inc., 22B Thames St., New York 6, N. Y.
Oakville Co., Div. Scovill Mig. Co., 26 Main St., Oakville, Conn.
Odor Instruments, Inc., 220 E. 42nd St., New York 17, N. Y.
Ohio Centrifugals Co., 342 S. Monument Ave., Hamilton, Ohio
Ohio Injector Co., 175 Laundry St., Wadsworth, Ohio
Ohio Mechanics Institute, Central Parkway & Walnut St., Cincinnati 10, Ohio
Ohmer Register Co., 740 Bolander Ave., Dayton, Ohio
Oli-Rite Corp., 2318 Waldo Blvd., Manitowoc, Oil-Rite Corp., 2318 Waldo Blvd., Manitowoc, Wisc.
Oil States Petroleum Co., Inc., 233 Broadway,
New York, N. Y.
Old Dominion Iron & Steel Corp., P. O. Box 466,
Bell Isle, Richmond 3, Va.
Olin Cellophane Div., Ecusto Paper Corp., 655
Madison Ave., New York 21, N. Y.
Olin Mathieson Chemical Corp., Industrial Chemicals Div., Mathieson Bldg., Baltimore 3, Md.
OlsenMark Corp., 124 White St., New York 13,
N. Y. N. Y.
Olson, J. B. E., Corp., 1740 Broadway, New York
19, N. Y.
Olson Filtration Engineers, Div., American Laundry Machinery Co., 5024 Section Rd., Cincinnati 12, Ohio
Olson Industries, Inc., Adams, Wisc.
Omaha Dye Works, 24th & Poppleton, Omaha, Nebr.
Ontario Iron Works, 52 Park St., Pulaski, N. Y.
Orr Felt & Blanket Co., Fiqua, Ohio
Orr & Sembower, Inc., Morgantown Rd., Reading, Pa. Pa. Oshkosh Filter & Softener Co., 51 Ceape St., Oshkosh, Wisc.
Oshkosh, Wisc.
Ostrin Laundry Machinery Co., 1001-3-5-7 Washington Ave., N., Minneupolis I. Minn.
Otis Corp., 1030 Chicago Ave., Evanston, Ill.
Outside Venettian Blind Co., 2625 Elm St., Dallas

1, Texas wens-Corning Fiberglas Corp., 16 E. 56th St., New York 22, N. Y.

Ou

P & H Industries, Inc., P. O. Box 14325, Dallas 34, Texas Paasche Airbrush Co., 1909 W. Diversey Farkway, Chicago 14, Ill. Pabs Brewing Co., Industrial Products Div., Mer-chandise Mart, Chicago 54, Ill.

Pacific Car & Foundry Co., Renton, Wash.
Pacific Coast Borax Co., 110 Park Ave., New York
17, N. Y.
Pacific Coat Hanger Mig. Co., 6710 Avalon Blvd.,
Los Angeles 3, Calif.
Pacific Pumping Co., 9201 San Leandro St., Oakland 3, Cal.
Package Chemical Co., Inc., 218 W. First St.,
Boston 27, Mass.
Package Masters, 2525 S. Wabash Ave., Chicago
16, Ill.
Packless Metal Hose Inc., 730 S. Columbus Ave.,
Mt. Vernon, N. Y.
Padcraft Corp., 480 W. Front St., Red Bank, N. J.
Pagoda Industries, Inc., 9th St. at Oley, Reading,
Pa. Paisley Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.

Pak-All Corp., 5663 Bridgetown Rd., Cincinnati 11, Ohio
Pak-Rite Flexible Packaging Co., 135 W. 20th St.,
New York 11, N. Y.
Pantex Mig. Corp., P. O. Box 660, Pawtucket, Pak-Rite Flexible Packaging Co., 185 W. 2011 St., New York 11, N., Y.
Pantex Mig. Corp., P. O. Box 660, Pawtucket, R. I.
Pantorium Cleaners, Inc., 3030 Salem Ave., Dayton, Ohio
Paper Chemicals, Inc., 510 W. 27th St., New York 1, N. Y.
Para-Lux Products Co., 4158 W. Schubert Ave., Chicago 39, Ill.
Para Patch, Div. Anglo Chemical & Rubber Corp., 36 Walker St., New York N. Y.
Parisian Cleaners, 391 Chatham St., Lynn, Mass. Parisian Novelty Co., 3510 S. Western Ave., Chicago 9, Ill.
Para & Tilford, 485 Fifth Ave., New York 17, N.
Parker, Sid E., Boiler Mfg. Co., 2035 E. 37th St., Los Angeles 58, Calif.
Park N. Clean, Inc., Woodner Bldg., 3636 16th St., N.W., Washington, D. C.
Patek & Co., 1900 16th St., San Francisco 1, Calif. Patterson-Kelley Co., Inc., Burson St., East Stroudsburg, Pa.
Patterson Laboratories, Inc., 11930 Pleasant Ave., Detroit 25, Mich.
Payson Mig. Co., 2916 W. Jackson Blvd., Chicago 12, Ill.
Peabody Engineering Corp., 580 Fifth Ave., New York, N. Y.
Pecora Paint Co., Lawrence St. & Sedgley Ave., Philadelphia 40, Pa.
Peerless Pamp Div., Food Machinery & Chemical Corp., 301 West Ave., 26, Los Angeles 31, Cal. Pellerin Milnor Corp., Jackson & Airline Highway in Kenner, P. O. Box 19264, New Orleans, La. Penick & Ford, Ltd., Inc., 420 Lexington Ave., New York 17, N. Y.
Pennington Co., Riverside Ave., Gillette, N. J.
Pennsylvania Refining Co., Butler Savings & Trust Building, Butler, Pa.
Pennsylvania Rubber Co., Penn-Craft Park, Jeannette, Pa.
Perersum St., Co., 4423-25 Broadway, Chicago 40, Ill.
Perfect Thread Co. Inc., 45 W. 21st St., New York, N. Y.
Perington St., Co., 250 August Ave., Charlotte 6, N. C.
Perfex Corp., 500 W. Oklahoma Ave., Milwaukee 11, Wisc. Denver 6, Colo.

Perfex Corp., 500 W. Oklahoma Ave., Milwaukee
11, Wisc.

Permafiber Corp., 450 Seventh Ave., New York 1, 11, Wisc.
Permafiber Corp., 450 Seventh Ave., New York 1, N. Y.
Perma Products Co., P. O. Box 25, Linwood Station, Detroit 6, Mich.
Per-Mo Products Co., 1715 E. 36th St., Kansas City 3, Mo.
Permutic Co., 330 W. 42nd St., New York 18, N. Y. Perry Co., P. O. Box 2057, 110 Overpass Dr., Waco, Texas Personnel Laboratory, Inc., 1 Park Ave., New York, Personnel Laboratory, Inc., 1 Park Ave., New York, N. Y.
Peters Co., The, Div. Toledo Paint & Chemical Co., 17 Blucher St., Toledo 1, Ohio
Pfaff Sewing Machine Sales Co., 820 Greenwich St., New York 14, N. Y.
Henix Supply Co., 1269 Pryor Road, S. W., P. O. Box 1662, Atlanta 1. Ga.
Philadelphia Belting Co., Sixth & Spring Garden Sts., Philadelphia 23, Pa.
Philadelphia Quartz Co., 1160 Public Ledger Bldg., Philadelphia 6, Pa.
Philoc Corp., Commercial Laundry Sales, Tioga & "C" Sts., Philadelphia 4, Pa.
Phillips Process, Inc., 5101 Monte Vista St., Los Angeles 42, Cal.
Phoemix Products Co., 4715 N, 27th St., Milwaukee 9, Wisc.
Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass. Photoswitch, Iac., 77 Broadway, Cambridge 42, Mass. Piazza Engineering Co., 4317 W. Irving Park Rd., Chicago 41, Ill. Pick Mfg. Co., 255 S. Main St., West Bend, Wisc. Piece Control Tag Co., 3160 N. Broadway, Chicago 14, Ill. Pike Garments Inc., 4 W. 33rd St., New York 1, N. Y. Pinnacle Products Corp., 188 Tarrytown Road, Elmsford, N. Y.

Piolet Button & Novelty Corp., 2537 Amsterdam Ave., New York 33, N. Y. Pittsburgh Coat Hanger Co., 644 Garfield Ave., Springdale, Pa. Pittsburgh Plate Glass Co., Paint Div., 632 Du-quesne Way, Pittsburgh, Pa. Pittsburgh Tag Co., 1112-20 Galveston Ave., Pittsburgh 33, Pa. Pittsburgh Waterproof Co., 2537 Penn Ave., Pitts-burgh 22, Pa. Pittsburgh Waterproof Co., 2537 Penn Ave., Pittsburgh 22, Pa.
Plas-Ties Co., 624 Poinsettia, Santa Ana, Calif.
Plibrico Co., 1800 Kingsbury St., Chicago 14, Ill.
Paeumatic Engineering & Sales, 1010 Des Moines
Bldg., Des Moines, Iowa
Pocock, M. A., 1234 Central Ave., N. E., Minneapolis 13, Minn.
Pocono Fabricators, Inc., Div., Patterson-Kelley
Co., Inc., 2706 Linton St., East Stroudsburg,
Pa. Pa. Polar Chemicals Inc., 141 Howe St., Lewiston, Me. Poly-Mat Mfg. Co., 1166 Weston Rd., Toronto, Ontario, Canada Poly-Mat Mig. Co., 1100 Western Park Blvd., St. Ontario, Canada Popkins Fixture Co., 3722 Forest Park Blvd., St. Louis 8, Mo. Port Huron Detergent Co., Inc., 1320 Second St., Port Huron, Mich. Portmar Water Heater Co., Inc., 193 Seventh St., Brooklyn 15, N. Y. Porto-Fab Co., Iac., 9215 Weiss St., Dallas 9, Texas. Porto-Fab Co., 180., 5m. Cr. 2810 Greenview Ave., Chicago 14, Ill. Pre-Marked Strip Tag Co., 3232 India St., P. O. Box 2430, San Diego 12, Calif. Pres-Grip Corp., 3108 Main St., Buffalo 14, N. Y. Premium Service Co., 115 W. 19th St., New York, N. Y. N. Y.
Presser Laundry Bag Co., 3111 Devon Ave., Chicago, Ill.
Procter & Gamble Distributing Co., P. O. Box 599,
Cincinnati I, Ohio
Proctor & Swartz, Inc., Seventh St. & Tabor Rd.,
Philadelphia 20, Pa.
Professional Laundry Shirt Sales, Inc., 1529 S.
Third St., Louisville, Kv.
Proportioneers, Inc., P. O. Box 1442, Providence,
R. I. R. I.
Prosperity Co., Div. Ward Industries Corp., 701
Nichols Ave., Syracuse 1, N. Y.
Prym, William, Inc., Dayville, Conn.
Pure Oil Co., 35 E. Wacker Dr., Chicago 1, Ill.
Purex Corp., Ltd., Industrial Div., P. O. Box 9686,
Philadelphia, Pa.
Purkett Mfg. Co., 325 E. Third St., Joplin, Mo.
Pyrometer Instrument Co., Inc., 92 Portland Ave.,
Bergenfield, N. J.

Quality Products Co., 4248 N. Elston Ave., Chicago 18, Ill.
Queen City Engineering Co., Inc., Old Pineville
Rd., P. O. Box 3103, Charlotte 3, N. C.
Queen Transparent Specialties, 4637 Fullerton
Ave., Chicago 39, Ill.
Quigley Co., Inc., 527 Fifth Ave., New York 17, N. Y. Quik Pac Div., H. Wesley Hutchins Co., Hutching St., Auburn, Maine Quincy Compressor Co., 217 Maine St., Quincy,

R

Railex Corp., 634 Dean St., Brooklyn 38, N. Y. Rainbow Dye Works, 109 S. 16th St., Louisville 2. Ky.
Ramelli, Rudolph, Inc., 1030 Sprague St., Shreveport, La.
Ramtite Co., Div. S. Obermayer Co., 2563 W. 18th
St. Chicago 18, Ill
Randolph Laboratories, Inc., 8 E. Kinzie St., Chi-St., Chicago 18, 111
Randolph Laboratories, Inc., 8 E. Kinzie St., Chicago 11, Ill.
Rapids-Standard Co., 595 Bono Ave., N.W., Grand Rapids 2, Mich.
Rassenfoss Bag Co., Inc., 1904 Grove St., P. O. Box 44, Glenview. Ill.
Rathbun Co., 8300 Millet St., Houston, Texas
Ray Oil Burner Co., 1301 San Jose Ave., San
Francisco 12, Cal.
Reading-Pratt & Cady, Div. American Chain &
Cable Co., Inc., Tulpehocken St. & Lebanon
Valley R. R., Reading. Pa.
Recordak Corp., subsidiary Eastman Kodak Co.,
415 Madison Ave., New York 17, N. Y.
Red Wing Products, Red Wing Bldg., New Hyde
Park. N. Y.
Reed Mig. Co., 1425 W. Eighth St., Erie, Pa.
Reed-Stabin, Inc., 6015-5th Ave., Brooklyn, N. Y.
Reeves Bros., Inc., 54 Worth St., New York 18,
N. Y.

Refined Products Corp., 624 Schuler Ave., Lynd-Refined Products Corp., ox - Land Products Corp., ox - Land Product Cor Reliable Launstry Supposes, Chicago 38, 11.
Reliable Machine Works, Inc., 238 Eagle St., Brooklyn 22, N. Y., Reliable Steam Fressing Machine Service, Inc., 175 Bergen St., Newark S, N. J. Reliance Electric & Engineering Co., 1058 Ivanhoe Rd., Cieveland 10, Ohio Rema Corp., Ruby St., P. O. Box 86, Norvalk, Conn. Conn.
Remington Rand, Inc., 315 Fourth Ave., New York, N. Y.
Renard's, 741 Madison Ave., New York 21, N. Y.
Reo Motors, Inc., 1314 S. Washington Ave., Lansing 20, Mich.
Repel-O-Froducts Div., North American Merchandising Co., Transportation Bidg., Detroit 26,
Mich. Mich.
Republic Flow Meters Co., 2240 W. Diversey Parkway, Chicago 47, Ill.
Republic Steel Corp., Republic Bldg., Cleveland 1, Cono.

Research Laboratories Corp., P. O. Box 338, Durham, N. C.
Research Products Corp., 1011 E. Washington Ave., Madison 3, Wisc.
Resillo Press Pad Co., 6950 N. Central Park Ave., Chicago 45, Ill.
Reslabs, Inc., Div., Linen Products Corp., 2155 W. 80th St., Chicago 20, Ill.
Revere Copper & Brass, Inc., 230 Park Ave., New York 17, N. Y.
Revere Electric Mig. Co., 6009 Broadway, Chicago 40, Ill.
Revolite Div., Raybestos-Manhattan, Inc., 500 Fifth Ave., New York 36, N. Y.
Rhodes, Preston T., 520-22 N. 61st St., Philadelphia, Pa.
Rich, Phil, Fan Mig. Co., Inc., 2900 Caroline St., Houston 4. Texas
Richards-Wilcox Mig. Co., 174 Third St., Aurora, earch Laboratories Corp., P. O. Box 338, Dur-Houston 4. Texas Richards-Wilcox Mfg. Co., 174 Third St., Aurora, Risdon Mfg. Co., Risdon St., Naugatuck, Conn. Rite-Temp Mfg. Co., 1209 W. Wainut St., Rogers, Ark.
Riverside Chemical Co., Inc., 871-947 River Rd.,
North Tonawanda, N. Y.
Riverside Mfg. Co., 4919-27 Connecticut St., St.
Louis 39, Mo.
Roberts Numbering Machine Co., 705 Jamaica
Ave., Brooklyn 8, N. Y.
Robins, G. S., & Co., 126 Chouteau St., St. Louis, Mo Mo.

Robot Laundry Machinery Sales, Div., Wolf Co.,
Wolf Ave., Chambersburg, Pa.

Rockwell, W. S., Co., 200 Eliot St., Fairfield, Rodin Machinery Co., Div. Rodin Bros., 1331 S. Michigan Ave., Chicago 5, Ill. Roller Bearing Co. of America, Box 480, Trenton,

Roller Bearing Co. of America, 2018.

Roll-on-Scaler Co., Antioch, Ill.
Rome Soap Mig. Co., Sixth St., Rome, N. Y.
Romafez Tubing Co., Inc., Packard Bidg., Philadelphia 2, Pa.
Ronningen-Fetter Co., 330 S. 27th St., Vicksburg
1. Mitch.
Root & Co., 11 Ionia, S. W., Grand Rapids 2,
Mitch.
Roots-Connersville Blower Corp., 900 W. Mount
St., Connersville, Ind.
Rosenthal Mig. Co., 5033 N. Kedzie Ave., Chicago 25, Ill.
Rosenthal Paper Co., 200 Lynch St., St. Louis 18,
Mo. Mo. Ross Heat Exchanger Div., Box 2081 Buffalo 5, N. Y. Roth, Ray E., Co., 2430 Fourth Ave., Rock Island, Duse, Max, & Sons, 361 S. Robertson, Beverly Hills, Cal. Ro-Wash, 696 Pembroke Rd., Jenkintown, Pa. Rowe Enterprises. Inc., 531 N. Stiles St., Linden. Rubb

N. J.
Rubber City Mfg. Co., 714 N. Main St., Akron 10,
Ohio
Ruberoid Co., 500 Fifth Ave., New York 18, N. Y.
Rubin, E. L., Mfg. Co., 4 Monroe St., Pittsfield,
Mass.
Russell Mfg. Co., East Main St., Middletown, Conn.
Russell Products, P. O. Box 622, 109 S. Broome
St., Albemarle, N. C.
Ruud Mfg. Co., 2025 Factory St., Kalamazoo,
Mich.

Sabin Machine Co., 6536 Carnegie Ave., Cleveland 3, Ohio St. Louis Sticker Co., 1908 Pine St., St. Louis 3, Mo. Products. Inc., 2 Avon St., Lewiston, Me. Sak-Rak Co., 601 Cole Ave., Monroe, La. Salomon, L. A., & Bro., Inc., 216 Pearl St., New York 38, N. Y. tork 38, N. Y. umson & Shaffer, Inc., 542 S. Dearborn St., Chi-cago 5, Ill.

MANUFACTURERS Sandoz Chemical Works, Inc., 61-63 Van Dam St., New York 13, N. Y. Sani-Matio Brusher, 3945 N. Sheridan Rd., Chi-cago 13, Ill. Sanitex Sales Corp., Div. Clopay Corp., Clopay Sq., Cincinnati, Ohio Sanitex Sales Corp., 1975.
Sq., Cincinnati, Ohio
Sq., Cincinnati, Ohio
Sanitone Div., Emery Industries, Inc., 4200 Carew
Tower, Cincinnati 2, Ohio
Sani-Top Co., Stepney Depot, Conn.
Sarco Co., Inc., 635 Madison Ave., New York 22,
Omaha. Saxe-Freeman Co., 1408 Harney St., Omaha, Nebr.
Sayve Corp. of America, 2270 Seymour Ave., Cincinnati 12. Ohio
Schaub, Fred H., Engineering Co., 2110 S. Marshall Blvd., Chicago 23, Ill.
Schimer-Dornbirer Pump Co., 1719 E. 39th St.,
Cleveland 14, Ohio
Schmidt Mig. Co., 280-292 North St., New Bedford, Conn.
Schramm, Inc., West Chester, Pa.
Schwartz, B. W., Co., Box 205, Washington St.,
Two Rivers, Wisc.
Schwitzer-Cummins Co., 1145 E. 22nd St., Indianapolis 7, Ind.
Scientific Packages, Inc., 1827 Park Ave., Denver Colo.
Scotch Equipment Co., Inc., 320 Washington St. Colo. Scotch Equipment Co., Inc., 320 Washington St., Brookline 46, Mass. Scovill Mfg. Co., 99 Mill St., Waterbury, Conn. Sec-O-Matic Corp., 55 LaFrance Ave., Bloomfield, N. J.

N. J. Security Fur Seal Co., Inc., 144 W. 27th St., New York I, N. Y. Seldin, Morey, Machinery Co., 5999 E. 56th St., In manaphis, Ind. Sellers Engineering Co., 4876 N. Clark St., Chicago 40 III. cago 40, Ill. meca Dyers, Inc., 1227 Maple St., Rochester 11, N. Y. Seneca Dyers, Inc., 1227 Maple St., Rochester 11, N. Y.
Serdex, Inc., 91 Cambridge St., Boston 14, Mass. Service Recorder Co., 1375 Euclid Ave., Cleveland 15, Ohio
Setlow, M. & Sons, Inc., 131 Chestnut St., New Haven 7, Conn.
Shane Uniform Co., Inc., 2013 W. Maryland, Evansville 7, Ind.
Shell Oil Co., 30 W. 50th St., New York 20, N. Y. Sherman, James R., Plastics Corp., 895 Bergen St., Newark 12, N. J.
Sherwin-Williams, 101 Prospect Ave., N. W., Cleveland I, Ohio
Shields Engineering & Mig. Co., 277 E. 156th St., Cleveland 10, Ohio
Shields Engineering & Mig. Co., 277 E. 156th St., Cleveland 10, Ohio
Shields Engineering & Mig. Co., 277 E. 158th St., Sherwin-Williams, 100 Prospect St., New York 22, N. Y.
Shop-In-Car Corp., P. O. Box 1367, Shelby, N. C. Shreveport Garment Mig., 908 McNeil St., Shreveport 95, La.
Sibur Mothproof Co., P. O. Bob 956, Colorado Springs 3, Colo.
Siebring Mig. Co., 106 Owen St., George, Iowa

Springs 3. Colo.

Springs 3. Colo.

Siebring Mig. Co., 106 Owen St., George, Iowa
Signal Chemical Mig. Co., Inc., 5920 Richmond
Rd., Bedford, Ohio
Silver Streak Conveyor Sales Co., P. O. Box Silver Streak Conveyor Sales Co., P. O. Box 10685, Atlanta 10, Ga. Simoe Co., 920 Walmut St., Lansdale, Pa. Simplex Oil Heating Corp., 7901 Oxford Ave., Philadelphia 11, Pa. Simplex Time Recorder Co., 24 S. Lincoln St., Gardner, Mass. Singer Sewing Machine Co., Industrial Sales Dept., 149 Broadway, New York 6, N. Y. Sink Supply Co., 1208 W. Main St., Louisville 3, Ky.

3, Ky. Sirotta, Bernard, Co., 620 Smith St., Brooklyn 31, Skelly Oil Co., Industrial Div., 605 W. 47th St., Kansas City 41, Mo. Skinner Electric Valve Div., 95 Edgewood Ave., New Britain, Conn. Skrandel Co., 6433 S. Rockwell St., Chicago 29, Slater-Robbins Co., Inc., 28-44 Borden Ave., Long Island City, N. Y. Slick Trailer Stores, 3201 S. Clinton, Fort Wayne, Slings, Inc., 795 Flatbush Ave., Brooklyn 26, N. Y. Machinery Co., Div., American Laundry Machinery Co., Section Rd., Cincinnati 12, Ohio

Smith, A. U., Corp., Permaglass Div., P. O. Box 28, Kankakee, Ill. Smith Bros. Co., P. O. Box 126, Plymouth, N. C. Smith, Frank R., Co., 503 Front St., Orange, Texas Smith, R. B., Co., 1609 S. Nevada Ave., Colorado Springs, Colo. Smith, T. L., Co., 2835 N. 32nd St., Milwaukee 1, Wisc.

Wisc.
Smith, X. S., Inc., Box 272, Red Bank, N. J.
Socony-Vacuum Oil Co., Inc., 26 Broadway, New
York 4, N. Y.
Soden, P. N., & Co., Ltd., 2143 St. Patrick St.,
Montreal, Can. Softener Corp. of America, 2412 Norwood Ave., Melrose Park, Ill. Solupak Co., 5727 W. 36th St., Minneapolis 16, Minn.

Minn.
Solvay Process Div., Allied Chemical & Dye Corp.,
61 Broadway, New York 6, N. Y.
Some's Terminal Uniforms, P. O. Box 87-5 Cos.
Branch, Jersey City, N. J.
Southeasters Textile Co., 222 E. Solomon St.,
Griffin, Ga.

Southern Advance Bag Operation, Continental Can Co., 530 Fifth Ave., New York 36, N. Y.

MANUFACTURERS Southern Machinery Co., 1565 Hansford St., Charleston 24, W. Va. Southern Mills, Inc., 585 Wells St., S. W., Atlanta 3, Ga Southland Enterprises, 1132 Pryor St., S. W., Atlanta, Ga.

Spear Box Co., Inc., 270 11th Ave., New York 1. N. Y. Speare Co., 2235 S. Ford Ave., Chicago 16, Ill. Specialty Devices Co., 805 E. 26th St., Norfolk , Va. ed Check Co., Inc., 551 Glenn St., S. W., Atlanta 3, Ga.

Speed-Queen, Div. Mc-Graw-Edison Co., Doty St.,

Ripon, Wis.

Speedlite Chemicals Co., 1900 16th St., San Francisco 1, Calif. Speedwa, 26, Mis Speedy V Speedy Washer Mig, Co., 5700 N. W. 35th Ave., Miami 48, Fla Spencer Chemical Co., Dwight Bldg., Kansas City, Mo. Mo. Spencer, J. P., Corp., 173 Summerfield St., Scarsdale, N. Y.
Spencer Turbine Co., 486 New Park Ave., Hartford, Conn.
Spix Products Co., 119 Dahlem St., Pittsburgh 6, Pa. Pa.

Spotswood Parker & Co., 313 Techwood Dr.,
N. W., Atlanta, Ga.
Stadham Co., Inc., 1825-31 N. 20th St., Philadelphia 21, Pa.

Stadler Textile Weavers, 312 E. Wisconsin Ave.,
Milwaukee, Wisc.
Stainpruf Mfg. Co., 2032 E. Seventh St., Los Angeles 21, Calif.
Staley, A. E., Mfg. Co., Decatur, Ill.
Stamford Chemical Co., 45 Jefferson St., Stamford,
Conn. Standard Chemical Co., 29-10 Hunters Point Ave., Long Island City 1, N. Y.
Standard Bag Corp., 29-10 Hunters Point Ave., Long Island City 1, N. Y.
Standard Change Makers. Inc., 422 E. New York St., Indianapolis 2, Ind.
Standard Chemical Works Co., 538 E. Town St., Columbus 15, Ohio
Standard Factors Corp., 270 Madison Ave., New York 16, N. Y.
Standard Financial Corp., 530 Fifth Ave., New York 36, N. Y.
Standard Garment Co., 2283 Fulton St., Toledo 10, Ohio Standard Carment Co., 2200 I and Co., 10, Ohio.
Standard Laundry & Cleaning Machinery Co., 6900 Maple Ave., Dallas 2, Texas
Standard Oil Co., 910 Michigan Ave., Chicago 80, III.
Standard Register Co., 626 Albany St., Dayton 1, Ohio.

Standard Soap Co., Div. Concord Chemical Co., Inc., P. O. Box 800, Camden, N. J. Sta-Neat Corp., 5802 Mockingbird Lane, Dallas, Texas Stanley, John T., Co., Inc., 626-62 W. 30th St., New York 1, N. Y. Sta-Na Corp., 5101-15 N. Sheridan Rd., Chicago Sta-Fee Corp., 394-35 ft. Water St., Wake-40, Ill. Starr Chemical Co., Inc., 134 Water St., Wake-field, Mass. Statikil, Inc., 1220 W. 6th St., Cleveland 13, Ohio Stauffer Chemical Co., 380 Madison Ave., New York 17, N. Y. Stay-Fresh Corp., 3945 N. Sheridan Rd., Chicago 13, 111. Stay-Fresi 13, Ill. eamaster Automatic Boiler Co., 5819 Compton Ave., Los Angeles 11, Calif. samaster Co., Inc., 110 W. 30th St., New York 1, N. Y. Steam Ste Steamsier Co., Inc., 110 W. 30th St., New York 1, N. Y.

1, N. Y.

Steam Engineering & Sales Co., 1818 W. 47th St., Chicago, Ill.

Steams, George, Chemical & Mig. Co., 119 E. Main St., Madison, Wisc.

Stebbins Mig. & Supply Co., 1735 Blake St., Denwer 2, Colo.

Steelcote Mig. Co., 3418 Gratoit, St. Louis 3, Mo. Steele Carwas Basket Co., Inc., 199 Concord Turnpike, Cambridge 40, Mass.

Steele, J. W., & Co., 12th Ave. & Howell, North Kansas City 16, Mo.

Steel Products Engineering Co., 1205 Columbia St., Springfield, Ohio

Stein, Lawrence M., Co., 815-25 W. Van Buren St., Chicago 7, Ill.

Steiner Co., 740 N. Rush St., Chicago 7, Ill.

Steineran Paper Co., 1320 Halsted Ave., Chicago 22, Ill

Stephens-Adamson Mig. Co., Ridgeway Ave.,

22, 111 Stephens-Adamson Mig. Co., Aurora, Ill. Sterling Air Conditioning Corp., 358 W. Main Ave., Gastonia, N. C. Ave., Gastonia, Motors, Inc., 5401 Telegraph

Sterling Air Conditioning Corp., 358 W. Main Ave., Gastonia, N. C.
Sterling Electric Motors, Inc., 5401 Telegraph Rd., Los Angeles 22, Cal.
Sterling Engineering & Mig. Corp., 1 Reservation Rd., Hyde Park 36, Mass.
Sterling, Inc., 3738 N. Holton St., Milwaukee 12, Wise. Sterling Supply Corp., 1-35 Porter St., Philadel-phia 48, Pa. Sternberg, B., 5719 E. Claridge Circle, Dallas 19, Texas

Sterwin Chemicals, Inc., 1450 Broadway, New York 18, N. Y. Steven, Michael, Corp., 525 W. 52nd St., New York 19, N. Y.

Stevenson Co., Stevenson, Conn. Stevenson, Jordan & Harrison, Inc., 205 W. Wacker Dr., Chicago 14, Ill. Stewart-Warner Corp., Alemite Corp., 1826 Diversey Parkway, Chicago 14, Ill.

Stitt-Reed, Inc., and/or Wm. A. Reed & Co., Inc., 8432 44th Pl., Lyons, Ill. Stomac Engineering Co., Inc., 200 W. 25th, Cleveland 13, Ohio Stone Boiler Equipment Corp., 186 Powers St., Brooklyn 11, N. Y. Story Mig. Co., 205 Lafayette Ave., Bellevue, Ky. Stout, David, & Sons, 7016 Manchester Blvd., St. Louis 17, Mo. Stover Water Softener Co., Stover Bldg., St. Charles, Ill. Stover Water Softener Co., Stover Bldg., St. Charles, Ill. Street, R. R., & Co., Inc., 561 W. Monroe St., Chicago 6, Ill. Strike's Laundry Machinery, Inc., 221 N. Westmoreland Ave., Los Angeles 49, Calif. Strohmeyer & Arpe Co., 139-414 Franklin St., New York 13, N. Y. Stromberg Time Corp., 109 Lafayette St., New York 13, N. Y. Strong, Carlisle & Hammond Div., 508 Sandusky St., Conneaut, Ohio Stry-Lenkoff Co., 815-821 E. Market St., Louisville 6, Ky. ville 6, Ky. Studebaker Corp., South Bend, Ind. Suede & Leather Refinishers of America, 75 E. Wacker Drive, Chicago 1, Ill. Suedecare, Inc., 50 Station Plaza, Hempstead 1, N. Y.
Suede King, 1311 E. State St., Sharon, Pa.
Superior Boiler Works, 3400 East Fourth, Hutchinson, Kans,
Superior Combustion Industries, Inc., 1475 Broadway, New York 36, N. Y. way, New York 86, N. Y.
Superior Products Co., Box 208, Akron 9, Ohio
Superior Products Co., Inc., 50 Tufts St., Somerville 45, Mass.
Superior Reweavers, 116 Peachtree Arcade, Atlanta 3, Ga.
Super Laundry Machinery Co., 1113 W. Cornelia
Ave. Chicago 13, Ill. Salanta 3, Ga.

Super Laundry Machinery Co., 1113 W. Cornelia
Ave., Chicago 13, Ill.

Sure-Hold Div., Nashua Corp., Franklin St.,
Nashua, N. H.

Surchoc Paper Clip Co., 66 Kenyon Ave., Wakefield, R. I.

Surface Protection Co., Inc., 16799 Euclid Ave.,
Cleveland 12, Ohio

Sutherland Paper Co., 243 E. Paterson St., Kalamazoo 13-D, Mich.

Sweda Cash Register, Inc., 7313 N. Harlem Ave.,
Chicago 48, Ill.

Swift & Co., General Soap Dept., 4115 Packers
Ave., Chicago 9, Ill.

Swiss Cleaners & Laundry, 915 S. Sixth St., Louisville, Ky.

Sylvania Electric Products, Inc., 500 Fifth Ave.,
New York 1, N. Y.

Sylvania Electric Products, Inc., 500 Fifth Ave.,
New York 1, N. Y.

Swingline, Inc., 32-00 Skillman Ave., L. I. City
1, N. Y.

Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City 8, Mo.
Thomson Chemical Co., 619 N. Jackson St., Lima, Ohio
Thoro Products Co., 3240 Larimer St., Denver 5, Colo. Thrifty Weavers, 310 N. St. Clair St., Toledo 4, TickeTag Corp., 513 N. Wrenn St., High Point, N. C. Tillery Container Corp., 6000 Wilson Ave., Kansas City 23, Mo. City 23, Mo. Savers, Inc., 83-99 Walnut St., Montclair, N. J. N. J.
Timken Roller Bearing Co., 1835 Dueber Ave.,
S. W., Canton 6, Ohio
Tingue, Brown & Co., 1765 Carter Ave., New
York S7, N. Y.
Titusville Iron Works Co., Div. Struther Wells
Corp., 51 Drake St., Titusville, Pa.
Todd Co., Inc., 1150 University Ave., Rochester
3, N. Y. Toledo Scale Co., 1076 Telegraph Rd., Toledo 12, Toptex Corp., 2108 Washington Ave., New York Tork Clock Co., Inc., 1 Grove St., Mt. Vernon, N. Y.
Tower Chemicals, Inc., Box 473, Carnegie, Pa.
Tower & Country Cleansing Craftsmen, 48 Chandler St., Worcester, Mass.
Trane Co., Second & Cameron Sts., La Crosse,
Wisc. Wisc.
Travelers Insurance Co., Hartford, Conn.
Tremm Chemical Corp., 1865 N. E. 144th St., Travelers Insurance Co., Hartord, John.
Tremm Chemical Corp., 1865 N. E. 144th St.,
Miami, Fla.
Trent Tube Co., East Troy, Wisc.
Trico Chemical Div., Tri-State Equipment Co.,
402 Swetland Bldg., 1010 Euclid Ave., Cleveland 15, Ohio
Trico Fuse Mfg. Co., 2948 N. Fifth St., Milwaukee
12, Wisc.
Triner Scale & Mfg. Co., 2714 W. 21st, Chicago,
III. Ill.
Trio Chemical Works, Inc., 341-49 Scholes St.,
Brooklyn 6, N. Y.
Tropical Paint & Oil Co., 1110-1300 W. 70th St.,
Cleveland 2, Ohio
Troy Chemical Co., 338 Wilson Ave., Newark 5,
N. J.
Troy Laundry Machinery Div., American Machine N. J.

Toy Laundry Machinery Div., American Machine & Metals, Inc., East Moline, Ill.

Troy Sunshade Co., Plum & Grant Sts., Troy, Ohio Tru Color Dye Works, Inc., 24-47 44th St., Long Island City 3, N. Y.

Tuchman Cleaners Cooperative Advertising Plan, 4401 Keystone Ave., N., Indianapolis 5, Ind.

Twin City Machinery Co., 301 Jonesboro Rd., Monroe, La.

Tyson Sales Co., Inc., 1212 Washington Ave., Houston, Texas

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Taco Heaters, Inc., 137 South St., Providence 3, Taco Heaters, Inc., 137 South St., Providence S., R. I.

Tad Chemical Co., Div. Acme Industrial Compounds Corp., 625 S. Goodman, Rochester 7, N. Y.

Tagit Co., 1212 11th St., Rockford, Ill.

Take-Care Mig. & Sales Co., 2225 E. Ninth St., Wichita, Kans.

Talb Industries, Inc., Front & Master Sts., Philadelphia 22, Pa.

Talley Laundry Machinery Co., 1156 Battleground Ave., Greensboro, N. C.

Talon, Inc., 626 Arch St., Meadville, Pa.

Tarbonis Co., 4300 Euclid Ave., Cleveland 3, Ohio Tarbonis Co., 4300 Euclid Ave., Cleveland 3, Ohio Tash, Al, Dye Works, Grand Prairie, Dallas County, Texas Taubman, Samuel, & Co., Inc., 176 Madison Ave., New York 16, N. Y. Taylor Host, Inc., 4418 Griffin Ave., Los Angeles 31, Calif.
Taylor, W. A., & Co., 7300 York Rd., Baltimore 4, Md.
Teb Research & Development Co., 686 Greenwood Ave., Atlanta, Ga.
Technical Tape Corp., 240 North Ave., New Rochelle, N. Y.
Tejax Engineering Corp., 1 Washington Ave., Providence 1, R. I.
Tele-Vue Packaging Products, Inc., 300 S. 12th St., New Hyde Park, N. Y.
Texas Co., 135 E. 42nd St., New York, N. Y.
Texas Co., 135 E. 42nd St., New York, N. Y.
Tex Tag Control Systems, 522 W. Peachtree St., Atlanta, Ga. Atlanta, Ga.
Textile Marking Machine Co., Inc., 2204 Erie
Blvd., East, Syracuse 1, N. Y.
Textile Products, 181 Chestnut St., Newark 1,
N. J.
Thermold Products Co., Inc., 723 Main St.,
Carachine M. M. Thermont Products Co., Inc., (23 Main St., Grandview, Mo.
Thermopatch Corp., 2432 Grand Concourse, New York S8, N. Y.
Thomaston Mills, E. Main St., Thomaston, Ga.
Thompson & Sons, Inc., 8130 W. 47th St., Lyons, Ill. Thompson, H. C., Clock Co., 2915 Federal St., Bristol, Conn.

III.

Ultra White Co., Inc., P. O. Box 1973, Roanoke 1, Va... Underwood Corp., 1 Park Ave., New York 16, N.Y. Uniflow Mfg. Co., Erie, Pa. Uniform Sales Co., 527 W. Roosevelt Rd., Chicago 7, Ill. ac Co., 802 Miami Circle, N. E., Atlanta 5, Ga.

Union Carbide Chemicals Co., Div., Union Carbide Corp., 270 Park Ave., New York 17, N. Y.
Union Iron Works, 15th & Cascade St., Eric, Park Union Oil Co. of California, Los Angeles, Calif.
Unipress Co., Inc., 2800 Lyndale Ave., S., Minneapolis 8, Minn.
Unisteel Body Co., Galion, Ohio
United Autographie Register Co., 5000 S. California Ave., Chicago, Ill.
United Brass Works, Inc., Randleman, N. C.
United Cotton Goods Co., Inc., 101 E. Broadway, Criffin, Ga. Griffin, Ga. United Fabrics Co., 223 W. Jackson Blvd., Chicago, III.
United Laboratories, Inc., 2863 Noble Rd., Cleve-land 12. Ohio
United Print Shop, 283 Seventh Ave., New York United Frint Shop, 260 Sevential. N. Y.
U. S. Blind Stitch Machine Corp., 231 W. 29th
St., New York I, N. Y.
U. S. Gauge Div., American Machine & Metals,
Inc., Clymer Ave., Sellersville, Pa.
U. S. Industrial Chemicals Co., Div. National Distillers & Chemical Corp., 99 Park Ave., New
York 16, N. Y.
U. S. Machine Corp., Lebanon, Ind.
U. S. Metals Corp., Puerto Nuevo, Box 3336, San
Iuan, Porto Rico Ü. S. Metals Corp., Puerto Nuevo, Box 3336, San Juan, Porto Rico
U. S. Mining Corp., 6363 Wilshire Blvd., Los Angeles 45, Calit.
U. S. Rubber Co., Koylon Div., 407 N. Main St., Mishawaka, Ind.
U. S. Rubber Co., Textile Div., 1230 Ave. of the Americas, New York 20, N. Y.
U. S. Stell Co., 525 William Penn Pl., Pittsburgh 30, Pa.
U. S. Tag & Ticket Co., 2217-21 Robb St., Baltimore, Md.
U. S. Tag & Ticket Co., 2218-21 Robb St., Baltimore, Md. more, Md.
U. S. Tissue Converting Co., 1848 W. Washington Blvd., Los Angeles 7, Calif.

24

United Steel & Wire Co., 175 Fonda Ave., Battle Creek, Mich.
United Vacuum Appliance Corp., Connersville, Ind. Unit Wash Corp., 162 S. Washington St., Plainville, Conn.
Universal Body Sales, Inc., London Road, Dela-Universal Body Sales, Inc., London Road, Delaware, Ohio
Universal Cleansing & Dyeing Co., 1218 E. 71st
St., Cleveland, Ohio
Universal Laundry Machinery Co., 3739 Page
Blyd., St Louis. Mo.
Universal Match Corp., 400 Paul Ave., St. Louis.
35, Mo.
Universal Metal Hose Co., 2133 S. Kedzie Ave.,
Chicago 23, Ill.
Universal Solvent Co., Springfield, Delaware Co.,
Pa. Pa.
Utility Appliance Corp., 12611 Crenshaw Blvd.,
Hawthorne, Cal.
Utility Truck Distributors, Inc., Union City, Ind.

V & W Equipment Co., 2173 Briarcliff Rd., N. E., Atlanta 6, Ga. Valdura Div., American Marietta Co., 43 E. Ohio St., Chicago 11, Ill. Van Chemical Co., 539 Third St., Detroit 26, Mich. Van Chemical Co., 535 January Mich. Wapor Heating Corp., 230 Park Ave., New York Vapor Heating Corp., 240 W 42nd St., Vapor Heating Corp., 230 Fals. 17. N. Y. Yapor Jet Steam Products, Inc., 348 W. 42nd St., New York 36, N. Y. 10., 53 Clark St., Hamburg, Vara, A. G., & Son, Inc., 53 Clark St., Hamburg, N. Y. 10., 53 Sargeant, Hartford 2, Conn. Vara, A. G., & Son, Inc., 53 Clark St., Hamburg, N. Y.
Veeder-Root, Inc., 70 Sargeant, Hartford 2, Conn.
Velan Engineering Co., 6585 Jeanne Mance St.,
Montreal. Can.
Vic Manufacturing Co., 1313 Hawthorne Ave.,
Minneapolis 3, Minn.
Victor Adding Machine Co., 3900 N. Rockwell St.,
Chicago 18, Ill.
Victor Balata & Textile Belting Co., 53 Park Pl.,
New York 7, N. Y.
Victor Chemical Works, 155 N. Wacker Drive,
Chicago 6, Ill.
Victor Lubricator Sales Co., Mildred & North
Aves., Antioch, Ill.
Viking Pump Co., Fourth & Newman Sts., Cedar
Falls, lowalise Laurder Sarelle, Core., 212 W. Falls, Iow Virginia-Carolina Laundry Supply Corp., 212 W. Seventh St., Richmond, Va. Virginia Greenstone Co., Inc., Box 897, S. Lynch-burg, Va.

W

Wagner Sign Service, Inc., 212 Hoyne Ave., Chi-cago 12, Ill.
Waldorf Co., 2236 Myrtle Ave., St. Paul, Minn.
Waldorf Paper Products, 2250 Wabash Ave., St. Paul 4, Minn.
Wallerstein Co., Div. Baxter Laboratories, Inc., Wallerstein Sq., Mariners Harbor, Staten Island 3, N. Y.

3, N. Y.
Walser Automatic Timer Control, 420 Lexington
Ave., New York 17, N. Y.

Walworth Co., 60 E. 42nd St., New York 17, N. Y. Warco Laboratories, Inc., 13609 S. Normandie Ave., Gardena, Calit. Wardrobe Service, 1304 McGee, Kansas City, Mo. Warwick Chemical Co., 10th St. & 4th Ave., Long Island City, N. Y. Wascator & Wascomat of America, 152 E. 118th St., New York 35, N. Y. Washex Machinery Corp., 192 Banker St., Brooklyn 22, N. Y. Washine Chemical Corp., 163 Main St., Lodi, N. J. Washing Co. Inc., 104 Manhattan St., Middletown, Ohio Watson-Standard Co., 225 Galvaston Ave., Pittsburgh 12, Pa. Wats Regulator Co., 10 Embankment St., Lawrence, Mass. Wayne Pump Co., 513-521 Tecumseh St., Fort Wayne 4, Ind., Ohio Weave Masters, 125 W. Fifth St., Cincinnati, Ohio

Wayne 4, 1004.
Weave Masters, 125 W. Fifth St., Cincinnati, Ohio
Webb Belting & Supply Co., 1501-1507 W. 12th St., Kansas City 7, Mo.
Webster Industries, Inc., 45 Congress St., Salem,

Webster Industries, Inc., 45 Congress St., Salem, Mass.
Webster, Warren, & Co., 17th & Federal Sts., Canden, N. J.
Wendling Standard Forms, Fort Thomas, Ky.
Weisserf, R. M., 315 N. Seventh St., St. Louis, Mo.
West Coast Laundry Machinery Co., 3246 17th
St. San Francisco 10, Calif.
Western Boiler Co., 1600 N. Indiana St., Los
Angeles 63, Cal.
Western Boiler Co., 1600 N. Indiana St., Los
Angeles 63, Cal.
Western Brung Co., Ltd., 522 W. Santa Clara St.,
North Kansas City 16, Mo.
Western Pump Co., Ltd., 522 W. Santa Clara St.,
San Jose 1, Calif.
Westinghouse Electric Corp., Lamp Div., Bloomfield, N. J.
West Side Corp., 177 E. 123rd St., New York 35,
N. Y.
West Side Corp., 177 E. 123rd St., New York 35,
N. Y.
West Texas Marine Boiler Works, Inc., P. O. Box

N. Y.
West Texas Marine Boiler Works, Inc., P. O. Box
5665, Lubbock, Texas
Westvaco Chlor-Alkali Div., Food Machinery &
Chemical Corp., 161 E. 42nd St., New York

17, N. Y. White Frost Chemicals, Inc., 315 W. Putnam Ave.,

17, N. Y.
White Frost Chemicals, Inc., 315 W. Putnam Ave.,
Greenwich. Conn.
Whitehouse Nylon Products, 360 Furman St.,
Brooklyn I. N. Y.
White Machine Co., Inc., 50 Boright Ave., Kenilworth, N. J.
White Motor Co., PDQ Div., Montpelier, Ohio
Whitlock Mfg. Co., 90 South St., Elmwood, Hartford 10, Conn.
Whitman Supply Co., Inc., 131 Lincoln Ave.,
New York 54, N. Y.
Wichita Precision Tool Co., Inc., 450 N. Seneca
St., Wichita 3, Kans.
Wick Narrow Fabric Co., 112 N. 12th St., Philadelphia 7, Pa.
Wiegand, Edwin L., Co., 7671 Thomas Blvd.,
Pittsburgh 8, Pa.
Will-Burt Co., Orrville. Ohio
Willco Sales Co., 6944 Prospect St., Kansas City
32, Mo.
Willcox & Gibbs Sewing Machine Co., 214 W.
39th St., New York 18, N. Y.
Williams & Davis Boiler & Welding Co., Inc.,
2527 Canton St., Dallas I, Texas
Williams Laundry Machinery Co., Inc.,
22nd St., Long Island City I, N. Y.
Williams, I. B., & Sons, 51 Washington St., Dover,
N. H.
Willys Sales Corp., Fleet Sales Dept., 940 N. Cove
Blvd., Toledo I. Ohio

N. H.
Willys Sales Corp., Fleet Sales Dept., 940 N. Cove
Blvd., Toledo 1, Ohio
Wil-Nor Products, 3002 N. Fifth St., Philadelphia
33, Pa.
Wilson, A. L., Chemical Co., 1050 Harrison Ave.,
Kearny, N. J.
Windsor Chemical Co., P. O. Box 8, Peekskille,
N. Y.

Winner, Joe L., 281 S. Hilton St., Baltimore 29, Wire Specialties & Mfg. Corp., 1348-50 12th St., Denver 4, Colo Wizard Weavers, 135 E. Gay St., Columbus 15, Ohio Wolf Machine Co., 2203 Fowler St., Cincinnati 6. Wolke, A. F., Co., 1902 Silver St., New Albany, Ind.
Wonder Weavers, 44 Whalley Ave., New Haven
11, Conn.
Wood Conversion Co., First National Bank Bldg., Wood Conversion Co., First Fatignation and St. Paul I, Minn.
Wood, George, Sons & Co., 512 Walnut St., Philadelphia 5, Pa.
Woodhead Insurance Agency, 510 Insurance Exchange Bidge, Kansas Civ 6, Mo., Wood's, T. B., Sons Co., Chambersburg, Pa.
Woodward Valve Repair, 624 Main St., Woodward Valve Repair, 624 Main St., Woodward Valve Repair, 624 Main St., Woodward Valve Repair, 624 Main St.,

ward. Okla.

Wormstead, Smith & Loomis, Inc., 77 Washington St., N., Boston 14, Mass.

Worthington Corp., Worthington Ave., Harrison, N. I. N. J. Wright-Austin Co., 3245 W. Woodbridge St., Detroit 26. Mich. Wrisley, Allen B., Co., 6801 W. 65th St., Chicago, Ill.

Ill.
Wyandotte Chemicals Corp., J. B. Ford Div.,
Wyandotte, Mich.
Wye Industries, 6 Gen. Devine Way, Boston 27,
Mass.
Wyotana Mining Co., 331 First Federal Bldg., St.
Paul 1, Minn.

Y

Yarnall-Waring Co., 102 E. Mermaid Ave., Philadelphia 18, Pa. Yeomans Bros. Co., 1999 Ruby St., Melrose Park, York-Shipley, Inc., Industrial Div., 500 Jessop Pl., York, Pa. Young, John A., 7 Central Ave., West Barrington, R. I. Young, Paul O., Co., Line Lexington, Pa. Young Radiator Co., 709 S. Marquette St., Racine, Wisc.

Z.

Zeidler Míg. Co., Inc., 633 Concord Ave., Mamaroneck, N. Y.
Zellermayer Supply Corp., 2106 Washington Ave., New York 57, N. Y.
Zel-Tex Co., 1623 Sears Point Rd., Vallejo, Calif. Zenith Electric Co., 146 W. Walton St., Chicago 10, Ill.
Zeolux Corp., 705 Second Ave., New York, N. Y.
Zephyr Laundry Machinery Co., 3500-12 Touhy Ave., Chicago 45, Ill.
Zero Water Softener Míg. Co., 4985 Elston Ave., Chicago 30, Ill.
Zimmerman Products, 2519 Burnet Ave., Cincinnati 19, Ohio
Zooz, Victor, Chemical Co., 1218 N. Marshall St., Philadelphia 22, Pa.
Zuckerberg Co., 87 Franklin St., New York 13, N. Y.

Local Buyers Guide

geographical directory of manufacturers, direct branch offices, jobbers and distributors

ALABAMA

ALBERTVILLE

Blair Hunt Co., 134 McDonald Ave.

ANNISTON

Federal Products Co., Inc.

BIRMINGHAM Allegheny Ludium Steel Corp., 3515 Third Ave., S. Armour & Co., Industrial Soap Div., 2309 First

Ave., Ballard, W. P., & Co., 1200 - 2nd Ave., N. (E & S) Barber-Colman Co., 2801 Central Ave. Barrett Div., Allied Chemical & Dye Corp., 1327

Erie St.

Benton Sol-Temp Co., 2322 12th Ave. N.
Benton Sol-Temp Co., 2322 12th Ave. N.
Berger Milg. Div., Republic Steel Corp., 1407 Empire Bidg.
Bristof Co., Comer Bidg.
Cupples-Hesse Corp., 905 Frank Nelson Bidg.
Foxboro Co., P. O. Box 489
General Chemical Div., Allied Chemical Corp.,
2313 Morris Ave.
Ingersoll-Rand Co., 1700 Third Ave., B.
Kewance Boiler Corp., 2324 Comer Bidg.
Laundry, Cleaners Maintenance Supply Co., 309
First Ave. N. (E & 8)
Link-Best Co., Comer Bidg.
Middlebrooks Laundry Machinery Co., 728 S. 29th
St. N. (E)

St. N. (E)
Minneapolis-Honeywell Regulator Co., 2616 - 18 - 7th Ave., S. Phenix Supply Co., 1201 - 2nd Ave., N., P. O. Box

Flenia Supply Vol., 1891 - 2010 Ave., N. (E)
Ressoe Engineering Co., 4824 - 1st Ave., N. (E)
Resisone Electric & Engineering Co., 1722 First
A(E, A.
Republic Steel Corp., Empire Bldg.
Rose, F. H., & Co., Inc., 282 S. Ikh St. (E & S)
United Machinery Corp., 2719 - 20th St., S. (E)
Wittlefen Chemical Co., 1893 Second Ave., S. (S)
Worthington Corp., 802 Comer Bldg.

GADSDEN

Puckett & Co., 623 Henry St. (8)

HOMEWOOD

Alabama, Florida Machinery Co., 2719 - 20th St.

LANETT

Dello Products Co., 1111 First St.

MORILE

Bemis Bro, Bag Co., P. O. Box 1110
Dixie Hanger Co., 65 N. Commerce St.
Midland Paint & Varnish Co., 173 Old Shell Rd.
Minneapolis-Honeywell Regulator Co., 105 N.

Florida St.

Ramelli, Rudolph, Inc., P. O. Box 141 (E Regan Co., 1781 Old Shell Rd. (E) Ross, F. H., & Co., Inc., Sl Lipscombe St. (E & S)

MONTGOMERY

Dixie Laundry Machinery Co., 1124 Houston St.
(E)
Pranklin Equipment Co., 1216 Houston St. (E)
Phenix Supply Co., 3420 Gilmer Ave. (E & S)

PHENIX CITY

Allen & Vickers, Inc., Rt. 3-Box 237

ALASKA

ANCHORAGE

Branch (8)

Minneapolis-Honeywell Regulator Co., P. O. Box Woodland, Jack, Co. P. O. Box 1118, Spenard

ARIZONA

PHOENIX

Betnia Bro. Bag Co., \$24 Security Bldg. Cowden, John P., Co., 2345 N. 19th St. (E & S) Deluze Cleaners & Dyers, 1917 S. Third St. Graham, Milt, & Distributing Co., 2975 W. Osborn Rd. (E & S)

MARTIN EQUIPMENT-



Sold, installed & serviced by: Southwest Sales Company

317 East Berridge THE MOST IN DAY CLEANING

Phoenix, Arizona Martin Machinery, Inc., 4502 N. 18th Ave. Mellord Chemical Co., 502 S. Second St. Minneapolis-Honeywell Regulator Co., 4125 N.

Seventh Ave.
Patck & Co., 2121 S. 18th Ave. (E)
Southwest Sales Co., 317 E. Berridge Lane
Thermold Products Co., Inc. 5824 W. Elm Thermod Products Co., Inc. 5824 W. Elm Tony's Supply Co., 1990 N. Second (8) Tri-State Machinery Co., 2840 E. Washington St. Western Chemical Co., 2855 E. Fifth St. (E & S.) Wise Way Laundry & Cleaning Equipment, 4802 N. 18th Ave. (E): Worthington Corp., 1217 W. Jefferson St.

Cleaners & Laundry Equipment Co., Box 878 (E)

TUCSON

Crane Co., 35 E. Toole Ave. Infileo Inc., 314 B. Campbell Ave., P. O. Box 5033 Rochlin Supply Co., 45 S. 6th Ave. (E & S)

ARKANSAS

FORT SMITH

Crane Co., 221 S. Ninth St. United Machinery Co., 2224 Midland Blvd.

LITTLE ROCK

Arkansas Paper Co., 622 E. Markham St. (S)
Capitol Chemical & Supply Co., 1214-18 Main St.
(E & S)
Coffield & Moore Mig. Co., 2212 Asher St. (E & S)
Cupples-Hesse Corp., 216 Terminal Warehouse
Bldg. Bidg. Essick Mfg. Co., \$103 W. 32nd St. Minneapolis-Honeywell Regulator Co., 608 W.

Paisley Products, Inc., P. O. Box 58, Arch St. Sta. Ramelli, Rudolph, Inc., 500 E. Markham

ROGERS

Rite-Temp Mfg. Co., 1209 W. Walnut St.

TEXABKANA

Louisiana Paper Co., Ltd. (8)

CALIFORNIA

ALAMEDA

Rohnstamm, H., & Co., Inc., Encinal Terminal (E & S) National Hatters Supply House Inc., \$15 Cen-tral Ave.

ALHAMBRA

Foxboro Co., 1212 S. Garfield Prescott, Geo. M., Co., 825 S. Fremont Ave.

ARLINGTON

ng & Laundry Machinery Co., 4172 McArthur Rd.

ATASCADERO

Haertel, Walter, Co., P. O. Box 643

ALTADENA

Hydraxtor Co., 940 Athens Ave.

BAKERSFIELD

Minneapolis-Honeywell Regulator Co., 219 Haber-felde Bldg.

BELL GARDENS

BERKELEY

Allied Equipment Co., 1509 San Pablo Ave. (E) Colgate-Palmolive Co., 2700 Seventh St. Curtis Mig. Co., 3033 San Pablo Ave. Launderette Sales & Equipment Co., Inc., 1624 University (E)

MARTIN EQUIPMENT



Pennsalt Chemicals Corp., 323 Woolsey Bldg., 2168

BEVERLY HILLS

Mational Marking Machine Co., 117 M. Doheny Dr. Rouse, Max, & Sons, 361 S. Robertson

Aeroquip Corp., 3015 Winona Ave.

BURLINGAME

Ald, Inc., 1610 Rollins Rd. (E)

CLEARLAKE PARK

leaners Equipment & Machinery Exchange, Box 104 (E)

Le Roi Div., Westinghouse Air Brake Co., 430 E. Compton Blvd.

CULVER CITY

Lindy Sales Co., 9601 W. Jefferson Blvd. National Dye House, 5812 W. Washington Blvd. Swingline, Inc., 101-25 W. Washington Blvd.

DEL MAR

Identification, Inc., P. O. Box 731

DIABLO

Onken, Edwin S., Co., Box 336 (E & S)

Darnell Corp., Ltd., 12000 Woodruff Ave.

EL CERRITO

Cleaners Service, 5731 El Dorardo St.

EL MONTE

Clayton Mfg. Co., 401 N. Temple City Blvd. DuPont de Nemours, E. L. & Co., Inc., Electrochemicals Dept., P. O. Box 70 Risdon Mfg. Co., P. O. Box 3566

Besler Corp., 4053 Harlan St, Willys Sales Corp., Fleet Sales Dept., 5950 Doyle St., P. O. Box 8204

Hildebrand Supply Co., 2225 Fresno St. (E & S) Minneapolis-Honeywell Regulator Co., 446 Black Naman Supply & Equipment Co., 540 Belmont Ave. (E & S)

GARDENA

Amber Mfg. Co., 18220 S. Figueroa St., P. O. Box 366 Warco Laboratories, Inc., 13609 S. Normandie Ave.

GLENDALE

California Cleaners Equipment & Supplies, 1008 S. Central (E & S) Newhouse Specialty Co., Inc., 3827 San Fernando Rd., P. O. Box 1289

Risdon Mfg. Co., 515C S. Vermont Ave.

Functional Products Div., Playtime Products, Inc.,

HAWTHORNE

Utility Appliance Corp., 12611 Henshaw Blvd., Hawthorne

HOLLYWOOD

Flexonics Corp., subs. Calumet & Hecia, Inc., 903 Guaranty Bldg., 6331 Hollywood Blvd.

LA CANADA

Carson, E. E., 3248 Stardust (S)

LA JOLLA

Willco Sales Co., Box 955

LA PUENTE

Peterson-Daniels, Inc., Box 846

LONG BEACH

Campbell, J. A., Co., 645 E. Wardlow Rd. Coonen Supply, 412 E. Third St. (E & S) Crane Co., 824 W. Anaheim St. Federal Cleaners & Chemical Supply Co. Third St. (E & S) Lilly, David, Box 167 Chemical Supply Co., 412 E. Notch, M. A., Corp., 519 W. 17th St.

LOS ANGELES

B. T. Mfg. Corp., 5404 Alhambra St. erol Co., Inc., 1731 Workman St. eroquip Corp., Marman Div., 11214 Exposition Blud Ajax Press Corp., 1786 N. Spring St. (E) Ajax Supply Co., 2219 S. Main St. (E & Ald, Inc., 2929 S. Sepulveda Blyd Allegheny Ludlum Steel Corp., 5333 E. Slauson Ave.
All-Top Cleaners Equipment Co., 7963 Melrose
(E) Alrose Chemical Co., 3529 E. Olympic Blvd.

Ambassador Continuous Towel Cabinet Co., 125 N. Mission Rd. merican Aniline Products, Inc., 1019 S. Grand

American Chemical & Products Co., 3287 Casitas

Ave.
American Cleaners & Laundry Supply Co., 4310
W, Jefferson Blvd. (E & S)
American Coat Hanger Mfg. & Specialty Co.,
4310 W, Jefferson Blvd.
American Felt Co., 763 E. 14th St.
American Hair & Felt Co., 1535 N. Ditman
American-La France-Foamite Corp., 733 E.
Eighth St.

American Laundry Machinery Co., 1442

merican Dec. E. Pourth St. ts Co., 555 S. Flower St. 1715 W. Eighth St. American Sterilizer Co., 1715 W. Eighth St. Anaconda Metal Hose Div., Anaconda American Brass Co., 14900 Garfield Ave., Paramont Angelica Uniform Co., 1900 W. Pico Bivd.

Arabol Mig. Co., 6455 E. Canning St. Ardmor Chemical Co., 1501 S. La Cienega Blvd.

Armite Laboratories, 6609 Broad St. Arrow Mfg. Co., 2624 Geraldine St. Atlas Powder Co., 411 W. Fifth St. Automatic Switch Co., 1233 Goodri drich Blvd. Bailey Meter Co., 1709 W. Eighth St. Ballinger, W. A., 1126 S. Santa Fe Ave. (S) Behrstock, L., Co., 10703 Magnolia (North Holly-

WOOD)

Bemis Bro. Bag Co., 3461 Slauson Ave.
Blackus Cleaners Supply, 724 W. 97th St. (S)
Bostitch-Western, Inc., 3464 W. 97th St. (S)
Braun, Philip N., Inc., 2484 W. Washington (E)
Brillo Mfg. Co., Inc., 224 N. Western Ave.
Bristol Co., 340 S. Spring St.
Brown, H. B., Co., 1273 Westwood Blvd., P. O.

Brown, H. B., Co., 1273 Westwood Entity, Box 24978 (E) Co., 2221 Yates St. Browning, E. S., Co., 2221 Yates St. Bruner Corp., 679 Gibbons St. California Cleaners Equipment & Supplies, 1005 S. Central Gla., (E)

Salifornia Drycleaning & Laundry Machinery Co.,
3027 Fruitland Ave. (S)

Callaway Mills, Inc., 1933 S. Broadway

CallawBy Mills, Inc., 1933 S. Broadway
Call-Sec Distributing Co., 3000 S. Main St.
Callusa Chemical Co., 801 E. Macy St. (S)
Carrier Corp., 5330 Harbor St., P. O. Box 6768
Carry-Pack Co., Ltd., 1709 W. 8th St.
Cash. J. & J., Inc., 112 W. Ninth St.
Chainveyor Corp., 5618 E. Washington Blvd.
Chailenge Mrg. Co., 7400 E. Bandini Blvd.
Challenge Marking Tag Co., 4310 W. Jefferson Blvd.

Blvd.
Chandler Machine Co., 984 S. Main St.
Chlorine Solutions, Inc., 6019 Riverside Dr.
Chrimman, E. L., Co., Inc., 8255 Compton Ave.
Cissell, W. M., Mfg. Co., Inc., 4823 W.
Jefferson Blvd.

Cleaners Sales Service, 3000 S. Main (E) Clear-Pak Sales, 2104 S. Crescent Heights Blvd.

Clinton Corn Processing Co., 1248 Whole-

walk St. Clother Bleach Co., 3525 Emery St. Cone Mills, Inc., 111 W, Seventh St. Continental Car-Na-Var Corp., 6636 S. McKinley Ave. Coolidge, John E., 2508 W. Slau Crosby Steam Gauge & Valve Co., 2034 Santa Fe ie Steel Co. of America, 8033 E. Bundini

Cunningham Pressing Machine Service, 1127 W.
20th St. (E)
Curtis Mig. Co., 2844 S. Grand Ave.
Custom Engineering Co., 3188 W. Siauson Ave. Cutter-Hammer, Inc., 13ff Santa Fe Ave.
Darco Dept., (Atlas Powder Co.), 411 W. Fifth St.
Davis, K. H., Mig., Copp., 2415 E. 23rd St.
D'Angelo, John, & Co., 11130 S. Vermont (E)
De Laval Steam Turbine Co., 12f W. Fourth St.
Detrex Chemical Industries, Inc., 3027 Fruitland

DeVilhiss Co., 1420 S. Los Angeles St. Dicalite Dept., Great Lakes Carbon Corp., 612 S. Flower St.

Dixon Boiler Works, 1625 Naud St.

Dow Chemical Co., The, 900 Wilshire Blvd.

Dunham-Bush, Inc., 2505 W. Third St.

Electric Storage Battery Co., 1043 S. Grand Ave.

Elliott Co., 714 W. Olympic Bldg., Room 323

Ellis Drier Corp., 1788 M. Spring St. Essick Mig. Co., 1950 S. Santa Fe Ave. Fainir Bearing Co., 1818 S. Flower St. Filtrol Corp., \$250 E. Washington Blvd. Flintkote Co., 55th & Alemeda St. Foster Machinery Co., 1220 E. 58th St. (E)

Foxboro Co., 2307 E, Eighth St.
French Unique Suede Cleaners, 7611 Meirose
GMC Truck & Coach Div., General Motors Corp.,
Garment Hanger Co., 2624 Geraldine St.
General Chemical Div., Allied Chemical Corp.,
1151 S. Broadway.
General Pacific Corp., 1501 E. Washington Blvd.,
German's Inc., Twist-Eims Div., 747 Terminal St.

Globe Ticket Co. of California, 420 S. San Pedro St., Goss-Jewett & Co., Inc., 6400 Fleet St. (E & S) Great Lakes Carbon Corp., 612 S. Flower St. Guaranteed Service Co., 710 E. Manchester (E) Handy Button Machine Co., 1128 S. Los Angeles

St.
Handy Specialties, 9159 W. Pico Blvd.
Hart-Cobb-Carley Co., 816 S. Los Angeles
Haskelite Mig. Corp., 438 Chamber of Commerce
Bldg., 1151 S. Broadway
Hild Floor Machine Co., Inc., 4271 W. Third St.
Hill Bros. Chemical Co., 2159 Bay St. (8)
Hoffman Machinery & Service Company, 412-14

Hoffman Machinery & Service Company, 412-West Pico Boulevard
Holingsworth & Vose Co., 449 S. Olive St.
Holilywood Supply Co., 1179 N. Western (E & S)
Holt Mig. Co., 4119 S. Broads M. Western (E & S)
Horn, A. C., Co., 1ac., 1818 S. Main St.
Howe Scale Co., 1237 E. Eighth St.
Hubinger Co., 1248 Windesale St.
Ily Electric Ventilating Co., 1709 W. Eighth St.
Infico Inc., 4404 Hollywood Blvd.
Ingersoll-Hand Co., 1408 E. Fourth St.
Ink-O Products Co., 5101 Monte Vista St.
International Engineering, Inc., 4408 Melrose Pla Ink-O Products Co., 5101 Monte Vista St.
International Engineering, Inc., 3468 Metrose Place
International Nicket Co., Petroleum Bidg.
Installers, Inc., 5868 Wilshire
Iselin-Jefferson Co., Inc., 734 S. San Pedro St.
Jonns-Marville, 316 W. Pitth St.
Jones, H. H., "Tiny" 1788 N. Spring St. (E)
Kellogg-American Div., Scaife Co., 2014 Leonia
Blvd.

Kemp, Victor, Co., 523 N. Alvarado St. (8) Kennedy Car Liner & Bag Co., Inc., 4915 Melrose Kewanee Boiler Corp., 320 Crocker St.

Kirkpatrick Specialties Co., 7320 Melrose Ave. (S) Kirk's Suede & Leather Cleaners, 7320 Melrose

Ave.

Rohnstamm, H., & Co., Inc., 2633 E. 54th
St., Wuntington Park (E & S)

Kriegh, George W., Co., 1786 N., Spring (E)
Lamson Corp., 366 E. Washington Blvd.
L. A. Laundry & Cleaners Supply, 10612 Avain (S)
Lever Bros. Co., 8300 E. Sheila St.
Liberty Marking Tag Co., Inc., 440 Seaton St.
Libraty Marking Tag Co., Inc., 440 Seaton St.
Libraty Sales Co., 5738 W., Washington Blvd.

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Mac-Gray Co., 164 Co., 164 Broadway
Hac-Gray Co., 164 Broadway
Hac-Gray Co., 164 Broadway
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Bidg.

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Duhlam-Bush, Inc., 250 E. 43rd St.
Duhlam-Bush, Inc., 250 E. 43rd St.
DuPont de Nemours, E. I., & Co., Inc., Electrochemicals Dept., 350 Fifth Ave.
Duro Envelope Co., 24 E. 22nd St.
Eagle-Picher Co., 420 Lexington Ave.
Eagle-Picher Co., 420 Lexington Ave.
Eastern States Petroleum & Chemical Co., Div.
Signal Oil & Gas Co., 10 Rockefeller Plaza
Economy Mercantile Corp., 122 E. 42nd St.
Edwards, Vincest, & Co., 342 Madison Ave.
E. L. Supply Co., 123-04 Metropolitan Ave., Kew
Gardens (S)
Electric Auto-Lite Co., Instrument & Gauge Div.,
49th Floor, Chrysler Bidg.
Electric Storage Battery Co., 23-31 W. 42rd St.
Elgin Softener Corp., 37 150th St., Jamaica, N. Y.
Elliott Co., 225 Broadway
Ellis Drier Co., 250 Lexington Ave.
Emery Industries, Inc., Sanitone Div., 233 Broadway
Emess Supply Corp., 58 W. 15th St. (S)
Emgmeering Co., 75 West St.

Emess Supply Corp., 58 W. 15th St. (S) Engineering Co., 75 West St.

Equitable Paper Bag Co., Inc., 45-50 Van Dam St., Long Island City Everett Sales and Equipment Corp., 251 Third

EVERES SAIRS AND EQUIPMENT COTP., 201 Annu Ave.
Excell Laundry Machinery Corp., 881 Washington Ave., Brooklyn (E)
Extrudo Film Corp., 1841 Broadway
Fafnir Bearing Co., 68 W. 60th St.
FairDanks Co., 398 Lafayette St.
Fair Play Supply Co., 150 Nasseu St. (S)
Flexonics Corp., 7 Dev St.
Flinthote Co., 30 Rockefeller Plans
Flow-Master Machine Corp., 634 Dean St., BrookLee.

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Ford Tank Maintenance Co., Inc., 717 E. 138th St.
Forse Corp., 20 Carey Rd., Great Neck, L. I.,
N. Y.

1. 420 Lexington Ave.

Foxboro Co., 420 Lexington Ave.
Franklin Paper & Twine Corp., 70-72 Laight St. Freund, Freund & Co., Inc., 102 Franklin St. Freyberg Bros.-Strauss, Inc., 419 Fourth Ave. Fumol Corp., 49-65 Van Dam St., Long Island

Frencherg Bros., Strauss, Inc., 419 Fourth Ave.
Fumol Corp., 49-65 Van Dam St., Long Island
City
Fur Feel Corp., 238 Eagle St., Brooklyn
Fur Feel Corp., 312 Seventh Ave.
Gardner-Denver Co., 76 Ninth Ave.
Geller, I., & Son, 900 Mrytla Ave., Brooklyn
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Gummed Tape & Devices Co., 1660 Rogers Ave.,
Brooklyn
H. & R. Equipment Co., 759 Sixth Ave.
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Handiform Plastics Corp., 339 Fifth Ave.
Handy Button Machine Co., 313 W. 37th St.
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Lexington Ave.
Hatters Supply House, 661 Broadway (E & S)
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Carbon Corp., 30 E. 42nd St.
Heminway & Bartlett Mfg. Co., 500 Fifth Ave.

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Hettrick Mig. Co., 181 E. 23rd St.

Hid Floor Machine Co., Inc., 250 E. 43rd St.

Hoffman International Inc., 167 Fourth Ave.

Hoffman Machinery, 433 E. 148th St., Bronx

Hollingsworth & Vose Co., 331 Madison Ave.

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Hummel Chemical Co., 90 West St.

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Hygrade Button & Supply Co., 19 W. 34th St. (8)

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Ilg Electric Ventilating Co., 15 Park Row

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Ingersoll-Rand Co., 11 Broadway

Innis, Speiden & Co., 117 Liberty St.

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International Boiler Works Co., 105 Park Row

International Role (Co., Inc., 67 Wall St.,

International Paper Co., Southern Kraft Div., 220

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Kaplan, Irving., 2033 E. 14th St., Brooklyn Kee Zipper Corp., 541 W. 34th St.

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Larton Co., 4224-6-8 Third Ave.
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Leff, Harry W., 32-35 83rd St., Jackson Hts.
Leff, and Chemical Corp., 103 50th St., Brookl
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Leslie & Co., 1430 Broadway

Lever Bros., Industrial Soap Div., 390 Park Ave.

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Lowenstein, M., & Sons, Inc., 1408 Broadway
Loyal Textile Machinery, Div. of Pits Foundry,
Inc., 256 Scholes St., Brooklyn
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McBee Co., 295 Madison Ave.
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Nycco Products Co., 110 W. 29th St.
Oakville Co., Div., Scovill Mfg. Co., 161 E. 42nd St.

Oakite Products, Inc., 48 Thames St. Oakville Co., Div., Scovill Mfg. Co., 161 E. 42nd St. Odor Instruments, Inc., 220 E. 42nd St. Odor Instruments, Inc., 220 E. 42nd St. Odor Instruments Inc., 220 E. 42nd St. Ohio Injector Co., 5946 Grand Central Terminal Olin Cellophane Div., Ecusto Faper Corp., 638 Madison Ave.

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Powers Regulator Co., 231 E. 48th St.
Premium Service Heat & Pr. Co., 31-76 College
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Procter & Gamble Distributing Co., 155
E. 44th St.
Procter & Gamble Distributing Co., 11325 Queens Bivd., Porest Hills
Prosperity Co., 17-25 Orient Way,
Eutherford, N. J.
Purex Corp., Ltd., Industrial Div., 7604 Empire
State Bidg.

Rutherford, M. J.

Purex Corp., Ltd., Industrial Div., 7604 Empire
State Bldg.

Prym, William, Inc., 330 Fifth Ave.
Quality Rubber Co., 1680 Broadway, Brooklyn
Quigley Co., Inc., 527 Fifth Ave.
Quiney Compressor Co., 30 Church St., Rm. 567
Railex Corp., 634 Dean St., Brooklyn
Ramesy Chain Co., Inc., 50 Church St.
Rancelles, John, Inc., 210 Water St.
Reading-Fratt & Cady Div., American Chain &
Cable Co., Inc., 250 Park Ave.
Recordak Corp., 415 Madison Ave.

(Continued on next page)

BOLD TYPE LISTINGS

O. M.

G.

New York City (Continued)

Red Star Laundry Supply, 664 Wythe Ave., Brooklyn (8) Reed-Stabin, Inc., 6015 Fifth Ave., Brooklyn Reeves Bros., Inc., 64 Worth St. Registered Shirt Laundry Ass'n., Inc., 38 E. 57th St.

Reliable Machine Works, Inc., 238 Eagle St., Brooklyn 22
Reliance Electric & Engineering Co., 420 Lexington

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Remards, 741 Madison Ave.
Repards, 741 Madison Ave.
Republic Flow Meters Co., 420 Lexington Ave.
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Republic Steel Corp., Chrysler Bidg.
Revers Copper & Brass, Inc., New York Central
Bidg., 75 E. 48th St.
Revolite Div., Raybestos-Manhattan, Inc.,
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Revolite Div., Raybestos-Manhattan, Inc.,
4333 Glover St., Brooklyn
Revolite Div., Raybestos-Manhattan, Inc.,
635 E. 26th St., Brooklyn
Revolite Div., Raybestos-Manhattan, Inc.,
312 Mouston Ave., Minsola, L. I.
Revolite Div., Raybestos-Manhattan, Inc.,
90 Bherman Ave., Williston Park, L. I.
Rich, Sidney, Copp., 37 W. 39th St.
Roberts Numbering Machine Co., 705 Jamaica
Ave., Brooklyn
Roboc Corp., 235 West Main St., Patchogue
Roots-Connersville Blower Corp., 122 E. 42nd St.
Ross Heat Exchanger Div., 40 W. 40th St.
Royal Laundry Products, 550 Meserole St., Brooklyn (8)
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Rubinoff, M., Inc., 154-156 W. 27th St.
Safety-Notch Tag Co., Inc., 418 Ditmas Ave.,
Brooklyn
Salomon, L. A., & Bro., Inc., 216 Pearl St.
Sarco Co., Inc., 635 Madison Ave.
Sarco Co., Inc., 40-23 24th St., Long Island City
Schramm, Inc., 90 West St.
Schreiber & Goldberg, 105 E. 16th St. (E & S)
Schwarts, E., Supply Co., 490 E. 174th St., Bronx
(S)

Schwarts, E., Supply Co., 490 E. 174th St., Bronx (S)
Security Fur Seal Co., Inc., 144 W. 27th St.
Shane Uniform Co., Inc., 106 W. 46th St.
Shall Oil Co., 50 W. 50th St.
Shell Oil Co., 41-70 Main St., Flushing
Shirt Valet Rental Plan, Inc., 38 E. 57th St.
Simplex Oil Heating Corp., 31-70 College Point
Causeway, Flushing
Gorp., 31-70 College Point
Causeway, Flushing
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Causeway, Flushing
Corp., 31-70 College Point
Causeway, Flushing
Conger Sewing Machine Co., Industrial Sales
Dept., 149 Broadway
Sirotts, Bernard, Co., 520 Smith St., Brooklyn
Slater-Robbins Co., Inc., 23-44 Borden Ave., Long
Island City (E & S)
Sings. Inc., 795 Flatbush Ave., Brooklyn
Snag-Fruf Zapper Corp., 154 W. 27
Socony-Vacuum Oil Co., Inc., 230 Park Ave., 28
Broadway

Broadway

Socony-Vacuum Oil Co., inc., 250 Fair Ave., 26
Broadway
Solvay Process Div., Allied Chemical Corp., 261
Madison Ave., & 61 Broadway
Southern Advance Bag Operation, Continental
Can Co., 530 Fifth Ave.
Southern Mills, Inc., 233 Broadway
Spear Box Co., inc., 270 11th Ave.
Speisman, Morris, Co., 350 Fifth Ave. (E)
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Speisr, S., 556 E. 94th St., Brooklyn (E)
Staley, A. E., Mig. Co., 485 Lexington Ave.
Standard Bag Corp., 20-10 Hunters Point Ave.,
Long Island City.
Standard Change-Makers, Inc., 215 Pourth
Ave.

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Standard Financial Corp., 530 Fifth Ave.
Stanley, John T., Co., Inc., 628-662 W. 30th St.
Stanley, William W., Co., Inc., 401 Broadway
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Steamaster Automatic Boiler Co., 37 Wall St.
Stephens-Adamson Mig. Co., 50 Church St.
Sterwin Chemicals, Inc., 1450 Broadway
Steven, Michael Corp., 252 W. 35nd St.
Stone Boiler Equipment Corp., 171 Siegel St.
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Stromberg Time Corp., 109 Lafayette St. Ave.

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Superior Combustion Industries, Inc., 1457 Broadway
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Swingline, Inc., 32-00 Skillman Ave., L. I. C. 1,
N. Y.
Sylvania Div., American Viscose Corp., 122 E.
42nd St.
Sylvania Electric Products, Inc., 500 Fifth Ave.
Taubman, Samuel, & Co., Inc., 176 Madison Ave.
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Tejax Engineering Corp., 225 Lafayette St.
Texas Co., 135 E. 42nd St.
Thermopatch Corp., 2432 Grand Concourse
Thomaston Mills, 40 Worth St.
Thompson, J. Parker, Co., Inc., 507 Fifth Ave. (E)
Tingue, Brown & Go., 1765 Carter Ave.
Toledo Scale Co., 305 E. 65rd St.
Toptex Corp., 2108 Washington Ave., Bronx (S)
Treu, Harry J., Inc., 633 Broadway
Trio Chemical Works, Inc., 341-349 Scholes St.,
Brooklyn

Brooklyn
Troy Laundry Machinery Div., American
Machine & Metals, Inc., 233 Broadway,
Woolworth Bldg.

Tru Color Dye Works, Inc., 2447 44th St., Long Island City
Ultra White Co., Inc., 5160 Post Road, Box 967
Underwood Corp., I Park Ave.
Union Carbide Chemicals Co., Div. Union Carbide Corp., Textile Div., 270 Park Ave.
United Garment Hanger Co., 361 W. 37th St.
United Print Shop, 283 Seventh Ave.
U. S. Blind Stitch Machine Co., 231 W. 29th N.
U. S. Gauge Div., American Machine & Metals, Inc., 233 Broadway
U. S. Industrial Chemicals Co., Div. National Distillers & Chemical Corp., 99
Park Ave.

Park Ave.

S. Rubber Co., 191 Hudson St. S. Rubber Co., Textile Div., 1230 Ave. of the

U. S. Rubber Co., 1exture Dr.,
Americas
United Trading Co., 162 Canal (E & S)
Utility Truck Corp., 603 W. 23rd St.
Vapor Heating Corp., 230 Park Ave.
Vapor Jet Steam Products, Inc., 348 W. 42nd St.
Veeder-Root, Inc., 1775 Broadway
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Walworth Co., 60 E. 42nd St.
Walworth International Co., 60 E. 42nd St.
Wassator & Wascomat of America, 152 E. 118th St.
Washex Machinery Corp., 192 Banker St.,

Brooklyn
Webster Industries, Inc., Empire State Bldg.
Westinghouse Electric Corp., Lamp Div., 40 Wall
St.

Weston Electrical Instrument Corp., 50 Church St. West Side Corp., 177 E. 123rd St. (E & S)



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Whitehouse Nylon Products, 360 Purman St., Brooklyn Whitlock Mfg. Co., 149 Broadway Whitman Supply Co., Inc., 131 Lincoln Ave., Broax (S) Willcox & Gibbs Sewing Machine Co., 214 W. 39th

St.
Williams, I. B., & Sons, 71-73 Murray St.
Williams Laundry Machinery Co., Inc., 37-57 - 9th
St., Long Island City (E)
Wolf Machine Co., 224 Fifth Ave.
Wood Conversion Co., 155 E. 44th St.
Wood, George, Sons & Co., 166 Franklin St.
Worthington Corp., 2 Park Ave.
Wyandotte Chemicals Corp., J. B. Pord
Div., 4723 Empire State Bldg.
Yarnall-Waring Co., 45 W. 45th St.
York-Shipley, Inc., 2432 Grand Concourse, Bronx
Zee Maintenance, 208 Tapscott St., Brooklyn (E)
Zellermayer Supply Corp., 2106 Washington Ave.,
Bronx (S)

Zeolux Corp., 705 Second Ave. Zuckerberg Co., 87 Franklin St. (8)

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Ames Iron Works, Inc. Cyclotherm Div., National-U. S. Radiator Corp., 157 E. First St. Industrial Supply Co., 400 W. Seneca St.

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POUGHKEEPSIE

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Fulton Boiler Works, Inc., Port & Jefferson St. Ontario Iron Works, 32 Park

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American Felt Co., 82 St. Paul St.
American Laundry Machinery Co., 70

Glide St.
Carrier Corp., 820 Reynolds Arcade, 16 Main St.

Carrier Corp., 820 Reynolds Arcade, 16 Main St.

(E)

Commercial Filters Corp., 180 E. Main

Edo Process Dry Cleaners, 186 N. Clinton Ave.

Epstein's Edoc Process Dry Cleaners, 166 N.

Clinton Ave.

Forse Corp., 8 Buckingham St.

Foxboro Co., 1201 Granite Bidg.

George, G. D., Co., 625 S. Goodman St. (S)

H & W Chemicals, Inc., Anderson & Norwood (S)

International Nickel Co., Inc., Genessee Valley

Trust Bidg.

Kellogg-American Div., Scaife Co., 763 Temple

Bidg.

Minneapolis-Honeywell Regulator Co., 731 Mt.

Read Bivd.

Nusbaum, A., & Sons, Inc., 147-149 St. Paul St.

(E & 8)

Paasche Airbrush Co., 225 Commerce Bidg.

(E & S), & Sohs, intc., 11-18 of. 2 and (E & S)

Pasache Airbrush Co., \$25 Commerce Bldg.

Pasache Airbrush Co., 662 Moaroe Ave.

Permutit Co., Inc., 119 Main St., E.

Plant Equipment Corp., 7 New England Drive (E)

Prosperity Co., 1166 Brooks Ave.

Recordak Corp., 343 State St.

Rochester Carman Supply Corp., 95 Frankfort St., (E & S)

Scobell Chemical Co., Rockwood Pl. (S)

Seneca Dyers, Inc., 122 Maple St.

Statewide Machinery, Inc., 22 Litchfield St. (E)

Tad Chemical Co., Div. Acme Industrial Compounds Corp., 625 S. Goodman

Todd Co., Inc., 1130 University Ave.

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General Electric Co., 1 River Rd.
Hi-Test Solvent & Chemical Co., Box 7, Bwine
Station (S)
Kenco Chemical Co., Inc., P. O. Box 912 (E & S)
Kewance Boiler Corp., 128 Wall St.
Link-Belt Co., 151 S. Erie Blvd.
Mindel, A., & Sons, 716 State St. (E & S)

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Mallinkerdott Chemical Works, 715 Prospect Ave.
Manlinwood Textiles, Inc., 3604 Chelton Rd.,
Shaker Heights
Mason-Neilan Regulator Co., Union Commerce Mallinckrodt Chemical Works, 715 Prospect Ave.
Manitowor Textiles, Inc., 3894 Chelton Rd.,
Shaker Heights
Mason-Neilan Regulator Co., Union Commerce
Bldg.
Mathoo Chemical Co., 3855 E. 78th St. (8)
Mendex Corp., 2300 Payne Ave.
Mexico Refractories Co., 1817 E. 119th St.
Midland Paint & Varnish Co., 3828 E. 91st St.
Mine Safety Appliances Co., 10016 Carnegie Ave.
Minneapolis-Honeywell Regulator Co.
1900 Superior Ave.
Minnesots Mining & Mfg. Co., 12200 Bookpart
Rd. Monroe Co., Inc., 10723 Quebec Ave. Moser Bag n' Paper Co., 3049 E. 55th St. (S)

National Textile Chemical Co., 1984 E. 83rd St. North American Mfg. Co., 4533 E. 71st St. Nuodex Products Co., Inc., 1213 W. Third St. Oakite Products, Inc., 1104 Citizens Bldg., 850 Euclid Ave. Ohio Automatic Laundry Sales Corp., 10512 Morison Ave. (E)
Orr & Sembower, Inc., 1836 Euclid Ave.
Passche Airbrush Co., Sixth & St. Clare Ave.
Passche Airbrush Co., Sixth & St. Clare Ave.
Passche Products, Inc., 7016 Euclid Ave.
Pennsylvania Refining Co., 2836 Lisbon Rd.
Perfecting Service Co., 12417 Cedar Rd., Rm. 15
Perfex Corp., 2010 E. 102nd St.
Permutit Co., Inc., 1836 Euclid Ave.
Procter & Gamble Distributing Co.,
1900 Euclid Bilds.
Prosperity Co., 1981 W. 96th St.
Ramsey Chain Co., 3604 W. 133rd St.
Recordals Corp., 812 Huron Rd.
Reliance Electric & Engineering Co., 1059 Ivanhoe Rd. Ohio Automatic Laundry Sales Corp., 10512 Mori-Reliance Electric & Engineering Co., 1059 Ivanhoe Rd.
Republic Steel Corp., Republic Bldg.
Revere Copper & Brass, Inc., Midland Bldg.
Roots-Connersville Blower Corp., 1990 Euclid Ave.
Royal Chemical Co., 3472 E. 50th St. (S)
Sabin Maschine Co., 6536 Carnegie Ave. (E)
Sandos Chemical Works, Inc., 3712 Beechmont
Ave. Sabin Machine Co., 5536 Carnegie Ave. (E)
Sandos Chemical Works, Inc., 3712 Beschmont
Ave.
Schirmer-Dornbirer Pump Co., 1719 East 39th St.
Schnit, Inc., 2019 Euclid Ave. (S)
Service Recorder Co., 1375 Euclid Ave.
Shell Oil Co., P. O. Box 5818
Shields Engineering & Mfg. Co., 277 E. 156th St.
Signal Chemical Mfg. Co., Inc., 11510
Kinsman Rd.
Solvay Process Div., Allied Chemical Corp., 3121
Euclid Tower
Staley, A. E., Mfg. Co., 810 Erieside
State Mfg. Inc., 354 E. 76th St.
Statikil, Inc., 1220 W. 6th St.
Stephens-Adamson Mfg. Co., Hanna Bldg.
Stomac Engineering Co., Inc., 2000 W. 25th St.
Strong Carlisle & Hammond Div.,
11770 Beren Rd.
Suede Master, 7606 Carnegie Ave.
Swift & Co., General Soap Dept., Union Stock
Yards
Tarbonis Co., 4300 Euclid Ave.
Tronical Paint & Oil Co., 1101, 1250 W. 70th St. Swift & Co., General Soap Dept., Union Stock Yards
Tarbonis Co., 4300 Euclid Ave.
Tropical Paint & Oil Co., 1110-1300 W. 70th St.
Union Carbide Chemicals Co., Div. Union
Carbide Corp., 1300 Lakeside Ave.
United Laboratories, Ins., 2863 Noble Rd.
U. S. Gauge Div., American Machine & Metals,
Inc., 505 Swetland Bldg.
U. S. Industrial Chemicals Co., Div.
Mational Distillers & Chemical Corp.,
Rockefeller Bldg.
U. S. Rubber Co., E. 11th St. at Walnut Ave.
Universal Cleaning & Dyeing Co., 1318 E. 71st St.
Viking Pump Co., 310 Marshall Bldg.
White Motor Co., 847 E. 79th St.
Wisard Weavers, Inc., 925 Euclid Ave.
Wood's, T. B., Sons Co., 1370 W. Ninth St.
Wood's, T. B., Sons Co., 1370 W. Ninth St.
Wrisley, Allen B., Co., 1849 Taylor Rd., East
Cleveland
Wyandotte Chemicals Corp., J. B. Ford Wyandotte Chemicals Corp., J. B. Ford
Div., 1116-1010 Euclid Bldg.
Yarnall-Waring Co., 737 National City Bank

CLEVELAND HEIGHTS

All Sales, 13440 Cedar Rd. Perfecting Service Co., 12417 Cedar Rd. (8)

Anderson-Prichard Oil Corp., 3520 Main St. Arbens Machinery Co., 638 Sullivan Ave. (E) Armour & Co., Industrial Soap Dept., Columbus Park
Berger Mfg. Div., Republic Steel Corp., \$19 Atlas
Bldg.
Brown & Pratt, Inc. (8)
Brown & Pratt, Inc. (8)
Carolyn Chemical Co., 1987 E. Main St.
Carroll, Frank T., Co., 21 E. Fifth Ave. (E & S)
Columbus Lace Cleaning Co., 49 Greenlawn Ave.
Crucible Steel Co. of America, 3164 Riverside Orive Cutler-Hammer, Inc., 30 E. Broad St. Ebco Mfg. Co., 401 W. Town St. Elgin Softener Corp., 830 E. Broad St. Eton-Colby Chemical Co., 626 M. O. Box (S) Green, A. P., Fire Brick Co., 1855 Chatfield I Hammond Laundry-Cleaning Machinery Co., 470 Wrexham St.

Janton Co., 426 Donaldson St. (S) Keever Starch Co., Keever Beach Div., 538 E. Town St. Kewanee Boiler Corp., 224 Lanman Bldg., 20 S.
Third St.
Magic-Seal Packaging Products, 883 E. Hudson St.
Merchants Chemical Co., Inc., 5025 McAllister
Ave. (E & S)
Mid States Supplies Inc. (F & S) Ave. (E & S) Mid States Supplies, Inc., (E & S)

Mid States SUPPLIES, INC.

Serving Ohio, Indiana, Kentucky, Pennsylvania, West Virginia

DRYCLEANING and LAUNDRY SUPPLIES and EQUIPMENT Frigidaire Coin-Operated Washers 15 N. Perry St., Dayton 2, Ohio

Minneapolis-Honeywell Regulator Co.,
4272 Indianola Ave.
Otis Corp., 338 N. 6th St.
P & D Sales Service, 2413 Neil Ave. (E & S)
Bevolite Div., Raybestos-Manhattan, Inc.,
1870 E. Beaumont Road 1970 E. Beaumont Boad Standard Chemical Works Co., 538 E. Town St. Thomas, E. J., Co., 174 Detroit Ave. (E & S) Wissard Weavers, Inc., 135 E. Gay St. Young, C. B., Co., 161 E. Oakland Ave. (E & S)

CONNEAUT

Strong, Carlisle & Hammond Div., 508 Sandusky

CUYAHOGA FALLS

Bruner Corp., 1250 Anderson Road

Allegheny-Ludlum Steel Corp., 1270 McCook Ave. Anderson-Prichard Oil Corp., 2854 Springboro

Pike
Brownell Co., 450 N. Findley St.
Chrysler Corp., Airtemp Div., 1119 Leo St.
Crucible Steel Co. of America, 4 N. Main St.
Daniels, C. R., Inc., 249 Wayne Ave.
Davies-Young Soap Co., 705 Albany St.
Dayton Cleaners Supply, 310½ S. Jefferson St. (8)
Egry Register Co., 429 Monument Ave.
Fransher Bros. Co., 111 W. Court St. (E & S)
Frigidaire Div., General Motors Corp., 300 Taylor
St.

St., Craves & Marshall Co., 720 E. Monument Ave. Home Store Reweaving Service, Third & Main St. Hopper, Moe. 281 Wayne Ave. Industrial Specialties Co., 281 Wayne Ave. International Engineering, Inc., 1145 Bolander

Ave.

Ave.

Ave.

Ave.

Kellogg-American Div., Scaife Co., 333 W. 1st
St., Room 160

Klarin Co., Inc., 510 S. Jefferson St. (E & S)

Kohnstamm, H., & Co., Inc.,

101 Bainbridge

Malleable Iron Fittings Co., 1800 McCall St.

Marshall Heater Co., 716-26 E. Monument Ave.

Mid States Supplies, Inc., 15 N. Perry St. (E & S)

Mid States SUPPLIES, INC.

Serving Ohio, Indiana, Kentucky, Pennsylvania, West Virginia

DRYCLEANING and LAUNDRY SUPPLIES and EQUIPMENT Frigidaire Coin-Operated Washers 15 N. Perry St., Dayton 2, Ohio

apolis-Honeywell Regulator Co., Minnespois-Tonleyen Register Co.,
1441 Milburn Ave.
Monarch Engineering Co., 500 Linden Ave.
National Boiler Protector Co., 928 Reibold Bldg.
National Cash Register Co., Main & K Sts.
Ohmer Register Co., 740 Bolander Ave.
Pantorium Cleaners, Inc., 3030 Salem Ave.
Permutit Water Heater Co., Inc., 15 North Perry St. St.
Republic Steel Corp., 1417 Hulman Bldg.
Revers Copper & Brass, Inc., Hulman Bldg.
Revolite Div., Eaybestos-Manhattan, Inc,
552 W. Pairview Ave.
Security Laundry Machinery Co., 2061 Patterson
Rd. (E & S)
Sheffield Engineering
Standard Register Co., 626 Albany St.
Vic Manufacturing Co., 540 Commercial Bldg.
Wisard Weavers, Inc., Mutual Home Bldg.

BOLD TYPE LISTINGS

DELAWARE

Greif Bros. Cooperage Corp., Pennsylvania Ave. Pennsalt Chemicals Corp., London Road Universal Body Sales, Inc., London Rd.

Invincible Vacuum Cleaner Mfg. Co., 14th & Davis Sts.

ELYRIA

Colson Corp., Cedar & Pine Sts.

FREMONT

Fremont Rubber Co., 317 McPherson Highway

GALION

Unisteel Body Co.

HAMILTON

Hamilton Caster & Mfg. Co., 1637-43 Dixie High-Way Klipfel Mfg. Co., 100 Weller Ave. Ohio Centrifugals Co., 342 S. Monument Ave.

HIRAM

Revolite Div., Raybestos-Manhattan, Inc., Box 196

LAKEVIEW

Luse, Wm. K., & Co., Div. Marlyn Chemical Co., Inc., P. O. Box 407 (S) Marlyn Chemical Co., Inc., P. O. Box 166 (S)

LAKEWOOD

Berwick, W. H., 1560 Waterbury Rd. (E)
Diamond Chain Co., Inc., 15620 Detroit Ave.
Stone, Bill, Equipment Co., 1293 Edwards Ave. (E)

LIMA

Thompson Chemical Co., 619 N. Jackson St.

MARION

Berlou Mfg. Co., 421 Monroe St.

MIDDLETOWN

Water Refining Co., Inc., 104 Manhattan St.

MONTPELIER

Montpelier Mfg. Co. White Motor Co., PDQ Div.

MT. VERNON

Cooper-Bessemer Corp., N. Sandusky St.

NEWARK

Na-Gro Sales, 220 Greenfield Ave.

NEW PHILADELPHIA

Sec-O-Matie Corp., 1335 Third St., N. W.

ORRVILLE

Will-Burt Co.

PAINESVILLE

Coe Mfg. Co., Bank St.

PIQUA

Aerovent Fan Co., 700 E. Ash St. Orr Felt & Blanket Co.

PORT CLINTON

Wasserstrom, Louis, & Co., 323 Wilson Ave.

RAVENA

Colonial Rubber Co.

READING

Loroco Industries, Inc., 203 E. Benson St.

SALEM

Deming Co.

SIDNEY

Le Roi Div., Westinghouse Air Brake Co., North & Russell Sts.

SPRINGFIELD

Combustioneer Div., Steel Products Engineering Co., 1205 W. Columbia St., International Steel Wool Corp., 2205 Park Rd. Leftel, James, & Co., 426 East St.

TOLEDO

American Mat Corp., 2018 Adams St.

American Mineral Spirits Co., Central Ave. & Reynolds Rd. Reynolds Rd.

B & C Engineering Co., 2706 Chestnut St.

Bock Laundry Machine Co., Toledo Fac-

tories Bldg. arman Supply Co., 3704 W. Lincolnshire Blvd. (E & S) rucible Steel Co. of America, P. O. Box 4066.

Sta. E
Cupples-Hesse Corp., 713 Spitzer Bldg.
Cupples-Hesse Corp., 713 Spitzer Bldg.
Detroit Belt Lacer Co., 1903 Jefferson Ave.
DeVilbiss Co., 300 Phillips Ave.
Electric Auto-Lite Co., Instrument & Gauge Div.,
Champlain St.
Gulf Oil Corp., Gulf Refining Co., P. O. Box 9
Hettrick Mig. Co., 1401 Summt St.
Kewanee Boiler Corp., 227 Oxbridge Dr.
Lincoln Research, Inc., 2250 Monroe St.
Lucas Products Corp., 3339 Seiss Ave.
Madison Products Co., 130 16th St.
Mellocraft Co., 1320 Locust St. (S)
Mid States Supplies, Inc. (E & S)

Mid States SUPPLIES, INC.

Serving Ohio, Indiana, Kentucky, Pennsylvania, West Virginia

DRYCLEANING and LAUNDRY SUPPLIES and EQUIPMENT Frigidaire Coin-Operated Washers 15 N. Perry St., Dayton 2, Ohio

Minneapolis-Honeywell Regulator Co., 5618

Minneapolis-Honeywell Regulator Co., 28coor Road
Peters Co., Div. Toledo Paint & Chemical Co., 17 Blucher St.
Standard Garment Co., 2283 Fulton St.
Thritty Weavers, 310 St. Clair St.
Toledo Drycleaners & Laundry Supplies, 18 North
Huron (£ & S)
Toledo Scole Co., 1676 Telegraph Rd.
Toledo Scole Co., 1676 Telegraph Rd.
Wasserstrom, Louis, & Co., Inc., 462-12 Monroe
Wasserstrom, Louis, & Co., Inc., 462-12 Monroe St. (E & S) Villys Sales Corp., Fleet Sales Dept., 940 N. Cove

Willys Sales Corp., Fleet Sales Depo Blvd. Wizard Weavers, Inc., Spitzer Bldg.

Troy Sunshade Co., Plum & Grant Sts.

UNIVERSITY HEIGHTS

Anderson, Glenn L., 3887 Bushnell Rd. (S)

UPPER SANDUSKY

National Steam Pump Co., 701 W. Johnson

VAN WERT

Aeroquip Corp., 122 W. Main St.

WADSWORTH

Ohio Injector Co., 105 Main St.

WARREN

Beaver Pipe Tools, Inc., 310 Dana, N. E.

WEST LAKE

Lakewood Manufacturing Co., 25939 Center Ridge Rd.

Steam Economies Co., Quimby Bldg. (E)

Moran Paint Co., P. O. Box 193, Fairgrounds Rd.

YOUNGSTOWN Cutler-Hammer, Inc., Central Tower Bldg., 11

Central Sq.

Central SQ.
Leebaw Mfg. Co., 65 Wayne Ave.
Minneapolis-Honeywell Regulator Co., 3330
South Ave.
Superior Chemical Products Co., 30 Watt St. (8)

OKLAHOMA

BRISTOW

Nu Way Bleach, P. O. Box 744 (S)

MUSKOGEE

Hillyer Equipment Sales Co., 516 W. Okmulgee St. (E) Scott Paper Co., Box 933 (S)

OKLAHOMA CITY

Acme Chemical Co., 20 N. E. 4th St.
Adolph & Bud's Boiler & Welding Co. (E)
Anderson-Prichard Oil Corp., 9 N. Blackwelder
Armour & Co., Industrial Soap Dept.
Armstrong Commercial Laundry Dist., 24 W.
Grand (E)

B. & T. Chemical Co., 3510 W. Reno St., P. O. Box 5146 (8)
Bemis Bro. Bag Co., 502 Commerce Exchange Bldg.
Biggerstaff's Supplies, 908 N. Hudson (8)
Diamond Alkali Co., 301 S. Compress St.
Empire Cleaners & Tailors Supply Co., P. O. Box 1101 1101
Ewing Mfg. Co., 2545 N. W. 10th
Hammond Laundry-Cleaning Machinery Co.,
P. O. Box 232 W
Kewanee Boiler Corp., 120-28 E. Main St.
Le Fevre Chemical Co., 1708 W. Main
Melody Cleaners, 500 W. Grand
Midvale Industrial Chemical Corp., P. O. Box
1885 (8) 1865 (8)
Midwest Laundry Machinery Co., P. O. Box 7083
Minneapolis-Honeywell Regulator Co., 4501 N. Cooper Noriae Foam & Fabric, Box 7644 Oklahoma Laundry & Drycleaning Supply Co., 207 S. Compress (S) Okopeo Chemical Co., 20 N. E. Fourth St. Permutit Co., 2-28 E. Main St. Schultz, Walt, Equipment Co., 3810 S. Robinson (E)

PICHER

Ingersoll-Rand Co., 226 West A St.

TULSA

American-La France-Foamite Corp., 1009 S. Main

Thompson-Hayward Chemical Co., 3909 S. Meridian Ave. (E & S)
Wooten Engineering Co., 3220 N. W. 12th

St.
Armour & Co., Industrial Soap Dept.
Barada & Paige, Inc., 26 N. Guthrie St. (S)
Bill's Equipment & Engineering Co., P. O. Box
2144, 411 W. 11th St. (E)
Chemical Products Inc., 501 W. First St. (E & S)
Crucible Steel Co. of America, 2420 W. Skelly

Criticitie Steel Co. of America, 242 W. Skelly Drive
Cupples-Hesse Corp., 210 Castle Bldg.
Elgin Softener Corp., 1218 S. Eigin Ave.
Elliott Co., 416 McBirney Bldg.
Golden-Anderson Valve Specialty Co., 315
Thompson Bldg.
Gould Pumps, Inc., 213 E. Arther St.
Green, A. P., Fire Brick Co., 533 Mayo Bldg.
Infilco Inc., 1105 S. Main St.
Ingersoll-Rand Co., 407 S. Peoria Ave.
Kewance Boiler Corp., P. O. Box 100, 2428 E.
11th St.
Kohnstamm, H., & Co., Inc., 1-11 North
Boulder St. (E & S)
Laundry & Chemical Supply Co., Inc., Box 822
(E & S)
Le Roi Div., Westinghouse Air Brake Co., 5000
45th West Ave.
Mine Safety Appliances Co., 1015 S. Climinati
Ave.

ine Ave. Minneapolis-Honeywell Regulator Co., 117 W.

8th St.
Moseley Equipment & Supply Co., Box \$4 (E & S)
Reed Supply Co., 501 W. First St. (S)
Reliance Electric & Engineering Co.
Republic Steel Corp., 2004 Philtower Bldg.
Thompson-Hayward Chemical Co., 36 N. Guthrie

(E & S) Tulsa Sales & Service Co., 413 S. Peoria St. (E) Union Carbide Chemicals Co., Div. Union Car Union Carbide Chemicals Co., Div. Union Cabide Corp., 2901 S. Harvard
U. S. Rubber Co., 423 S. 10th St.
Vaugha Chemical Co., 1162 E. Third St. (S)
Walworth Co., Oklahoma Bidz.
Worthington Corp., 424 N. Boulder Ave.

Woodward Valve Repair, 624 Main St.

OREGON

ALBANY

WOODWARD

Bussard, R. D., & Son, 505 E. Fifth Ave.

FUCENE

Minneapolis-Honeywell Regulator Co., 1180 W.

PORTLAND

Aeroquip Corp., 635 N. W. 18th Ave. Allegheny Ludlum Steel Corp., 435 Terminal Sales Bldg. American Felt Co., 930 S. E. Oak St.
American-La France-Foamite Corp., 328 S. W.
11th Ave.
American Ozone Co., 1339 S. E. Eighth Ave.
Associated Equipment Co., N. E. 87th Ave. & E.
Burnside (E) Associated Equipment Co., N. E. 57th Ave. & E. Burnside (E)
Barber-Colman Co., 1210 S. E. 7th Ave.
Bashaw, G. B., Co., 1999 S. E. 25th Ave.
Bashaw, G. B., Co., 1999 S. E. 25th Ave.
(E)
Bashaw, G. B., Co., 1999 S. E. 25th Ave.
(E) Clinton Corn Processing Co., 2187 N. W. Reed St. Crucible Steel Co. of America, 2330 N. W. Raleigh St.

Curtis Mig. Co., 1018 S. E. Eighth St. Cutler-Hammer, Inc., 208 S. W. Stark Elliott Co., 281 E. Ridge (Beaverton)

Gabriel Boiler & Fabrication Co., 1428 N. W. 14th Ave. 14th Ave. Gem Equipment Co., 1969 S. E. 25th St. (E & 8) General Chemical Div., Allied Chemical Corp., P. O. Box 369 Great Western Chemical Co., 3720 N. W. Yeon Hild Floor Machine Co., Inc., 614 Medical Arts man Equipment Co., 2001 S. E. Powell Blvd.

(E) Ingersoil-Rand Co., Broadway Bldg. Inon Fireman Mfg. Co., 4629 S. E. 17th Ave. Kennedy Car Liner & Bag Co., Inc., 48 S. E. Hawthorne Boiler Corp., 432 Pacific Bldg. Link-Belt Co., 1637 N. W. 14th Ave.

MARTIN EQUIPMENT



Sold, installed & serviced by: **Associated Equip**ment Company N. E. 57th Avenue & E. Burnside Portland 15, Oregon

Maytag Northwest Co., 1136 N. W. Hoyt St. (E) Minneapolis-Honeywell Regulator Co., 2800 S. E Belmont Mortensen, A. W., Co., 1117 S. E. Morrison (E & nt Hood Soap Co., Inc., 328 N. W. Glison Mount moon soap Co., and St. (8) National Aniline Div., General Chemical Corp., 730 W. Burnside Ave.
Northwest Laundry Machinery Co., 11120 N. E. Halsey (E)
Osmund & Co., 3390 S. E. 17th (E & S)
Pacific Pumping Co., 526 N. W. Broadway Osmand & Co., 2390 S. E. 17th (E & S)
Pacific Pumping Co., 256 N. W. Broadway
Patek & Co., 2536 S. E. 11th Ave. (E & S)
Pennaalt Chemicals Corp., 5540 N. W. Front St.
Permutit Co., 394 Lewis Bildg.
Philadelphia Belting Co., 104 S. W. First Ave.
Recordak Corp., 115 S. W. Fourth Ave.
Schramm, Inc., 933 Terminal Sales Bildg.
Shell Oil Co., 1220 S. W. Morrison St.
Stauffer Chemical Co., Suttle Rd., Box 68, North
Portland U. S. Rubber Co., 630 N. W. 10th Ave. Van Waters & Rogers, Inc., 3950 N. W. Yeon Ave. Vert & Vohnston Machinery Co., \$133 N. E. 73rd Worthington Corp., 205 Concord Bldg.

PENNSYLVANIA

ALLENTOWN

Anson, Art, Inc., 1901 S. 12th St.

ARDMORE

Hood Chemical Co., Inc., 80 Rittenhouse Place Peerless Pump Div., Food Machinery Corp., Suburban Sq.
Ross Heat Exchanger Div., Suburban Square Bldg.

BETHLEHEM

Sarco Co., Inc., Clewell & Itaska Sts.

BLOOMSBURG

Ro-Wash, 128 East Main St.

BOYERTOWN

Boyertown Body & Equipment Co., Third & Walnut Sts.

BRACKENRIDGE

Allegheny Ludlum Steel Corp.

BRADFORD

Presser Mfg. Div., Dresser Industries, Inc., 41 Fisher Ave.

BRIDGEPORT

Mears-Kane-Ofeldt, Inc., Div. S. T. Johnson Co., P. O. Box 223

BROCKWAY

Garment Finishing Equipment Corp. Paris Mig. Co., Inc., Oak & Allen Way

BRYN MAWR

American Laundry Machinery Co., 18 Summit Grove Ave.

BUTLER

Hutchinson Products Co., The, 331 Negley Ave.

Pennsylvania Refining Co., Butler Savings &
Trust Bldg.

CAMP HILL

Buck, J. F. Associates, 444 Crestview Court

CARNEGIE

Tower Chemicals, Inc., Box 473

CHAMBERSBURG

Electric Steam Boiler Sales, Div. Wolf Co. Wood's, T. B., Sons Co.

CLAIRTON

Diamond Wire Hanger Co., 252 State St.

CLARKS SUMMIT

International Salt Co.

COLUMBIA

Columbia Laundry Machinery Co., Inc., Bridge Cummings-Landau Laundry Machinery Co., Inc., Bridge St. Keystone Laundry Machinery Co., Bridge St. (E)

CONSHOHOCKEN

American Water Softener Co., Box 6.

CORNWELLS HEIGHTS

Pennsalt Chemicals Corp., 2375 State Road

DOYLESTOWN

Jones, Dana C., 436 Linden Ave.

EASTON

Certified Chemical Co., Box 123 (S) Kewanee Boiler Corp., 207 Burke St. Retter Mfg., 500 Bushkill Dr. (E) Victor Balata & Textile Belting Co., 25th St. & Freemasonburg Rd.

EAST PITTSBURGH

Westinghouse Electric Corp., Industrial Dept., 700 Braddock Ave.

EAST STROUDSBURG

International Boiler Works Co., 500 Birch St. Patterson-Kelley Co., Inc., Burson St.

ELIZABETHTOWN

Theobald Industries, P. O. Box 67

EMMAUS

Superior Combustion Industries, Inc.

ERIE

American Steriliser Co., 1220 Plum St.
Belco Supplies. Inc., 118-130 E. 11th St. (E & S)
Crucible Steel Co., of America, 1134 Payne Avc.
Draper-Ese Equipment Co., 110 E. Sixth St.
Eric City Iron Works, 1422 East Avc.
Read Mig. Co., 1433 W. Eighth St.
Rubbroid Co., 16th St.
Rubbroid Co., 16th St.
Taylor, H. D., Co., 1504 Parade St. (S)
Union Iron Works, 15th & Cascade Sts.

GETTYSBURG

Howard, B. J., Co., 329 Baltimore St. Thorp, Russell, Rte. 4 (E)

CLASSPORT

Ross Sales Co., 331 Euclid Ave. (E & S)

GLENSIDE

Cummings-Landau Laundry Machinery Co., Inc., 266 Keswick Ave.

HARRISBURG

Howard Chemical & Supply Co., 1126 Christianna St. (E & S)
Kewanee Boiler Corp., 277 Cumberland St.
Minneapolis-Honeywell Regulator Co., 47 Kline

rocter & Gamble Distributing Co., Third & Pine Sts.

HATBORO

Fischer & Porter Co., 25 Warminster Rd. Sauer, Harold J., 4 Drezel Rd.

HATFIELD

Hopkins Equipment Co., 100 Maple Ave.

HAVERFORD

Weingarten, John G., Inc., 354 Lancaster Ave.

HAVERTOWN

Ruco Machinery Co., 512 Harriett Lane (E)

IEANNETTE

Elliott Co. Pennsylvania Rubber Co., Penn-Craft Park

IENKINTOWN

Dunham-Bush, Inc., 301 York Rd. Ro-Wash, 696 Pembroke Rd.

Automatic Enterprises, Inc., 415 N. Mary St. Lynn Engineering & Míg. Co., Inc., 507 Poplar St.

LANSDALE

Simco Co., 920 Walnut St.

LANSDOWNE

Strong, Carlisle & Hammond Div., 98 Walsh Rd.

LEESPORT

Eaken, R. W., Inc., Box 171 (S)

LEVITTOWN

Revolite Div., Raybestos-Manhattan, Inc., 32 Farmbrook Dr.

LINE LEXINGTON

Young, Paul O., Co.

LOCK HAVEN

Arrow Tank Co., Inc., 529 Bellefonte Ave.

MALVERN

Ald, Inc., 65 Lincoln Highway

McKEESPORT

Opaleo Laboratory, 18 E. Pitts-McKeesport Blvd.

MEADVILLE

Talon, Inc., 826 Arch St.

MEDIA

Quincy Compressor Co., 311 W. Baltimore Ava.

MONACA

Laidlaw, W. A., Wire Co. of Penn. Memphis Hanger Co., 14th & P. & L. E. R. R. Pittsburgh Hanger Co., 14th & P. & L. E. R. R.

NORTH WALES

Adrian Research & Chemical Co., Inc., Elm & Pennsylvania Aves.

OAKMONT

Kellogg-American Div., Scaife Co., 26 Ann St.

PHILADELPHIA

A. & G. Equipment Co., Inc., 3311 Gilbert St. (E)
Aerovent Fan Co., 3216 W. Penn St.
Allegheny Ludium Steet Corp., 1818 Pennsylvania
Ave., Rm. 260 Suburban Station Bldg.
Allis, Louis, Co., N. 63rd at Overbrook
American Aniline Products Inc., 1649 N. Broad St.
American District Steam Co., Inc., Fifth & Market Sta. American District Steam Co., Inc., Fifth & Market Ste.
American Engineering Co., Aramingo Ave. & Cumberland St.,
American Felt Co., 1924 Lalayette Bldg.
American-La France-Foamite Corp., 401 N. Broad

St.
American Laundry Machinery Co., 18
Summit Grove Ave., Bryn Mawr
American Mineral Spirits Co., 3701 N. Broad St.
American Monoral Co., 161 N. 33rd St.
American Monoral Co., 161 N. 33rd St.
Anaconds Metal. Hose Div., Anaconda
American Brass Co., 111 W. Morris St.
Andrekovies & Kunk. Inc., 58 N. Front St. (8)

(Continued on next page)

BOLD TYPE LISTINGS

Philadelphia (Continued)

m, P., Inc., Belfield Ave. & Wister St. Armour & Co., Industrial Soap Dept., S. S. 2025 Carson St. rnold-Hoffman & Co., Inc., 1314 Real Estate Trust Bidg. Arrow Paper Co., 245 Race St. (8)

Association Underwriters of America, Inc., 1413

Association Underwriters of America, Inc., 1413
Walnut Sto., 4150 E. Thompson St.
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48" HOFFMAN AMICO, FLETCHER WHIRLWIND and AMERICAN OPEN-TOP MOTOR-DRIVEN EXTRACTORS. READY FOR PROMPT DELIVERY. CUMMINGS-LANDAU Laundry Machinery Co., 313 Ten Eyck Street, Brooklyn 6. N. Y.

Five 42 x 84" AMERICAN MASTER CASCADE DOUBLE END-DRIVEN MONEL WASHERS with 2-compartment, 2-door cylinders. IN EXCELLENT CONDITION. SOME EQUIPPED WITH NEW MOTORS and CONTROLS. CUMMINGS-LANDAU Laundry Machinery Co., 313 Ten Eyck Street, Brooklyn 6, N. Y. 6910-4

2-ROLL 100", 110" and 120" AMERICAN AND CL RETURN-FEED IRON-ERS. MECHANICALLY EQUAL TO NEW. CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyck St., Brooklyn 6, N. Y. 735-4

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MOTOR-DRIVEN, 42 x 94" 2-POCKET and 3-POCKET, 42 x 72" 2POCKET. CUMMINGS-LANDAU, 313 Ten Eyck St., Brooklyn 6, N. Y.
1730-4.

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PROSPERITY 51" wearing apparel presses. Power Circle, rebuilt. TAL-LEY LAUNDRY MACHINERY COMPANY, Greensboro, N. C. 1803-4

16 x 100" AMERICAN 41210 RETURN-FEED FLATWORK IRONERS.
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40" AMERICAN, TOLHURST, TROY DIRECT MOTOR-DRIVEN EXTRACTORS. CUMMINGS-LANDAU, 305 Ten Eyck Street, Brooklyn 6, N. Y. 2110-4

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3-42 x 84" AMERICAN CASCADE UNLOADING WASHERS, two-compartment, 2-door cylinders, 220 v. 3 HP. 60 cycle electrical equipment. Not rebuilt but in good operating condition. CUMMINGS-LANDAU, 505 Ten Eyck St., Brooklyn 6, N. Y.

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PROSPERITY TWO-GIRL SHIRT UNITS, rebuilt and guaranteed. TALLEY
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AMERICAN ironer, 2-roll, 100", rebuilt, A-1 condition. TALLEY LAUN-DRY MACHINERY COMPANY, 1156 Battleground Avenue, Greensboro, North Carolina. Phone: BRoadway 4-1594. 2394-4

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PROSPERITY 2-girl shirt unit, Power Circle, rebuilt and guaranteed.
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Nuclear Report

To the Editor:

We would appreciate your forwarding to us an additional copy of your May 1960 issue or a reprint of the article entitled "A Special Report on Nuclear Laundering" by Henry Mozdzer, which appeared in same.

S. GOLDSTEIN
The American Wiping Cloth Co.
Baltimore, Md.

We Will Manage

To the Editor:

Reference is made to the July 1960 issue of the Laundry Journal, page 24, your article entitled "MANAGE . . . or else!" by A. L. Christensen. Would it be possible to obtain approximately thirty reprints of this article? If so, please consider this an order for the above mentioned article.

Gebald L. Stempler

Carter Industrial Laundry, Inc.
Brentwood, Md.

Urban Renewal Lead

To the Editor:

May I suggest your consideration of an article for LJ on the subject of Urban Renewal with the title, "It Could Happen To You"? On checking around with laundryowners elsewhere I find that it has happened to a surprisingly large number of them already, and I think we have just seen the beginning. I refer to condemnation of plants for Urban Renewal projects as well as other government-financed programs such as interstate highways and federal buildings.

Because so many of the older laundry buildings were built in slum areas, down by the railroad tracks, to take advantage of rail shipments of coal, and possibly a labor supply (before employees drove to and from work in more expensive cars than their employers) these properties are now vulnerable.

I won't argue about the general idea of slum clearance, Certainly it has worked wonders in some localities but has hopped in others. What I am concerned about, and other laundryowners should be, is the process of compensating an industrial plant for the acquisition of its real estate or leasehold, and the relocation of its machinery and equipment.

There are definite regulations in the FHA manual which is furnished local Urban Renewal Agencies, covering the above procedure but for reasons unknown they are not a matter of common knowledge. . . .

P. S. I should add that our plant, built in 1903, is slated for condemnation by local URA.

JOHN RIPLEY
Ripley's Cleaners and Launders
Topeka, Kansas

We welcome our readers' suggestions and we will try to have something on the Urban Renewal problem in the very near future.—Editor

Hospital Problem

To the Editor:

I would appreciate your sending me a reprint of Victor Kramer's "Linen Control for Hospitals."

RALPH LAWRENCE Clifton Springs Sanatorium Clifton Springs, N. Y.

Why Splitting Aprons?

To the Editor:

We have for some time experienced some difficulty with flatwork ironer aprons splitting down the center apparently as a result of slight pleating. We operate five ironers: three 6-roll, one 8-roll and one drum 6-roll, but the problem is not confined to any one machine.

Every possible angle has been checked including slackness and excessive tightness.

It has occurred to us that general construction of duck or application of lacing may contribute to the problem as we have seen the same situation in other plants.

Wide duck usually shows weft threads on a concave-convex line when traced from selvage to selvage. In the days prior to lacing we always cut the duck on the thread and glued accordingly, making sure, of course, that aprons travelled in direction of apex.

In discussing the matter with one old-timer we are advised that in the early years of laced aprons, they were always laced on the thread without trouble.

Present suppliers lace on the straight line and claim it makes no difference. We have attempted to get the duck manufacturers into the discussion, without avail.

It is an interesting subject. We are wondering if any of your readers have the answer.

F. D'ARGENT Operations Manager, Laundry Division Cousins Limited Halifax, N. S., Canada

We invite readers' comments.—En-

"Parade" Still Marching

To the Editor:

Appearing in what I think was the "Buyers Guide" issue of your JOURNAL was an article by John Witherspoon discussing ways and means of reclaiming lost customers.

I read this article several times then "filed" the Journal for future reference. Now that I want the article for further use, I can no longer find the magazine.

Would it be possible for you to help me in locating either this article or the JOURNAL in which it was published?

I realize this is a rather unusual request but anything you might do to assist me will be greatly appreciated.

Your publication continues to improve. Keep up the good work.

George H. Turner Sales Services Manager Palace Quality, Inc. Detroit, Mich.

The story appeared in our "Parade of Progress" Guidebook released in October 1958.—Editor.

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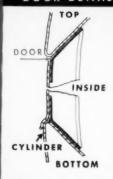
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